



deltav.mit.edu entrepreneurship.mit.edu

ENTREPRENEURSHIP IS NOT A SPECTATOR SPORT— **JUMP IN AND BE PART OF IT!**



Demo Day 2021

CELEBRATING THE CRAFT OF ENTREPRENEURSHIP







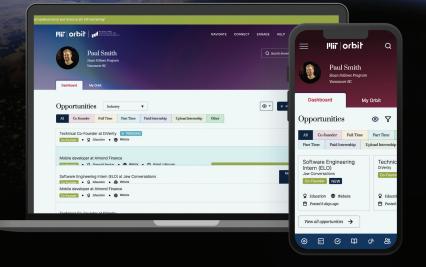








orbit



Entrepreneurs: Put it in Orbit!

The one-stop shop for MIT entrepreneurs





= 2021 DELTA V COHORT BY THE NUMBERS =









= INDUSTRIES REPRESENTED =











CONTENT









RESTAURANTS









ONLINE MARKETPLACES DEVELOPMENT

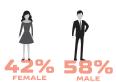


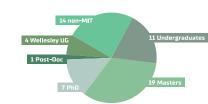


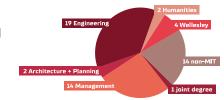


=BOARD MEMBERS =

TOTAL BOARD **MEMBERS**







SCHOOLS =



WELCOME

Welcome students, alumni, and community members to **MIT delta v Demo Day 2021!** This year's accelerator faced the challenges of coming out of a two-year-long pandemic, but our antifragile entrepreneurs have tackled every one head on. Today, they get to share the results of all their hard work.

We're thrilled to be back in Kresge Auditorium for our favorite day of the year—delta v Demo Day! What these students and teams present is the culmination of a journey to become an MIT-quality innovation-driven entrepreneur. We couldn't be prouder to show them off on the big stage—and inspire the audience. Some of you watching will be up here next year.

The students took many different paths to get here today and were encouraged to tap into as much of MIT's rich resources as they could. The one unifying factor is each team aspired to achieve "escape velocity" and make their entrepreneurial dream a reality. This is their day. They deserve all the applause, love, and help we can throw their way.

Students will also take different paths moving forward. Some will launch their ventures, some will join other startups, some will join big organizations or the government or pursue research and academia. What they will share is knowing their true potential. While we celebrate startups, delta v is about more than that. It is about people growing into innovation-driven entrepreneurs for the rest of their lives. This is an educational program where "people growth " new venture growth."

Academic environments have a yearly cadence; teams presenting today were inspired by students from the 2020 Demo Day. Inspiration is not enough however. It has taken 12 months of hard work to reach this stage. Every year the bar goes up. This group is easily the most diverse one yet with so much of the MIT community represented, including the highest percentage of School of Engineering students in the program's history.

MIT delta v is an educational accelerator, not an investment accelerator. Our goal is 100% instruction and we are focused on teaching students "how to fish" (i.e., the craft

of entrepreneurship) rather than "catching a fish" (i.e., creating a company above the learning experience). Not all teams may make it to Demo Day if we feel it would not be a good experience for them.

We are incredibly proud of our delta v alumni and their willingness to give back. Many sat on advisory boards and acted as mentors this summer in addition to being pitch "coaches" and speakers, sharing the challenges they've faced, and thankful of lessons learned during their time in delta v.

If you are a student, we hope you take advantage of the vast resources at the Martin Trust Center and throughout the MIT entrepreneurial ecosystem. Visit entrepreneurship.mit.edu to learn more and sign up for MIT Orbit (orbit.mit.edu) to stay up to date and get customized guidance. For our guests from the community, we hope you find these entrepreneurs attractive enough to gain your support; they could use your help.

We want to acknowledge the tremendous support from the MIT and greater entrepreneurship communities, who took time from their busy schedules to work with our teams. Most are listed in the back of this program. We also must thank our donors who help make the overall program and Demo Day possible. It takes real money to run delta v, and please know that, listed or not, we are extraordinarily grateful for your support.

Finally, thanks to the fantastic staff of the Trust Center: Renee Benjamin, Alicia Carelli, Magali Paoli, Brian Turnbull, and Greg Wymer; delta v program managers Joyce Chen and Sam Mansberg; our core EIRs of Paul Cheek, Kit Hickey and Kosta Ligris; and swing EIRs of Gabrielle Haddad, Sandy Kreis Lacey, Brint Markle, Dip Patel, and Kathleen Stetson.

Enjoy the program and get involved in building the future while at MIT. Entrepreneurship is not a spectator sport—jump in and be part of it!

– Bill Aulet & Carly Chase

SPACE:

dedicated (virtual and in-person) space to create a powerful community

STIPEND:

monthly fellowships for students and milestone payments for teams at designated targets

STRUCTURE:

to force team progress, led by unbiased EIRs and advisors

STATUS:

that comes from a full endorsement by MIT for access to additional resources after delta v

2 Welcome

DEAN'S LETTER

In 1861, MIT founder William Barton Rogers laid out a vision for a new type of institution of higher learning "conducive to the progress of invention and the development of intelligent industry." Over time, MIT's mission has been refined to "advance knowledge and educate students in science, technology, and other areas of scholarship that will best serve the nation and the world in the 21st century." In 2018, MIT President Rafael Reif wrote in *The New York Times* about entrepreneurship being the "most powerful scientific and technological engine on Earth."

The ability for MIT to fulfill this vision comes from the combination of invention and commercialization, which ties directly to entrepreneurship. This is in our DNA and in our future. Toward this end, MIT created delta v: integrating and expanding our expertise in scientific discovery, engineering implementation, and management.

While delta v warmly welcomes students across all schools, as leaders of the MIT Sloan School of Management and MIT School of Engineering, we are proud to take the lead in co-sponsoring delta v and hope you enjoy the 2021 delta v Demo Day showcase.

For students, we hope you're inspired to integrate entrepreneurship into your education.

For the broader community, we ask you to further support these students and MIT at large. This is not an individual sport. As a team enterprise, it requires disparate individuals with distinctive skills and capabilities. People just like you.

Enjoy Demo Day and use it as a springboard to engage more deeply. This great institution needs your energy and expertise to fulfill its mission: help us better serve the nation and world in the 21st century.

Best, David Schmittlein, Dean, MIT Sloan School of Management Anantha Chandrakasan, Dean, MIT School of Engineering





BENEFITS OF delta v

MIT delta v is an initiative across all of MIT's schools and colleges: the School of Engineering; the School of Science; the School of Humanities, Arts, and Social Sciences; the School of Architecture and Planning; and the MIT Sloan School of Management. The accelerator is overseen by the Martin Trust Center for MIT Entrepreneurship and is the capstone educational opportunity for MIT student entrepreneurs as it prepares them to hit escape velocity and launch into the real world.

SPACE

- Cohort-based lateral learning to create a powerful community
- Work side-by-side with other driven and innovative entrepreneurs
- Exclusive access to Trust Center resources for the entirety of the summer

MONEY

- \$2,000 monthly fellowships for current MIT and Wellesley students
- Teams are eligible to earn up to \$20,000 in equity-free funding based on performance against milestones
- Ability to focus full-time on their ventures

STRUCTURE

- Direct advising from specialists, coaches, mentors, and Entrepreneurs in Residence
- Workshops for specific skills
- \bullet Group goal setting sessions
- Monthly progress presented during "board meetings" to hold teams accountable to milestones

STATUS

- Recognized as the premier student teams at MIT
- Demo Day at MIT and global webcast
- Access to blue chip advisors and the MIT delta v alumni network
- Prominent exposure via all channels of Trust Center and MIT communications
- \bullet A full endorsement from MIT as a "graduate" of our accelerator

The friendliest way to access and transfer money across providers and borders

Almond Finance

FINTECH FINANCIAL SERVICES

Almond is building an international bank transfer system, without the banks. There are over 250 distinct mobile wallet apps in Southeast Asia serving about 300M users. However, most mobile wallets are siloed within their own network and do not allow for money transfers between different wallets and across borders. Interoperability in digital financial services can facilitate a projected \$3.7T increase in GDP across developing countries by 2025.

Almond is a remittance solution that integrates this disconnected network of apps. Users send money directly on their phones, quickly and affordably. Almond is the friendliest way to transfer money without borders or banks.





Hayden Brink University of Denver



Thanjira Fangtong Valerie Moreyra BU MBA '22 Chulalongkorn Univ '16 NYU '14



HKS MPP '22



Yunus Sevimli MIT Sloan MBA '21 Johns Hopkins '14, MS '15



Adam Swartzbaugh MIT Sloan MBA '21 HKS MPA '22 Brown '08, MA '09

MIT PARTNERS:

Legatum Center for Development and Entrepreneurship **PKG IDEAS Social Innovation Challenge** Sandbox Innovation Fund **Venture Mentoring Service**

www.almondfinance.com



Money without borders: easy, affordable international money transfer. With or without a Bank!

MILESTONES:

SIGNED **PARTNERSHIP AGREEMENTS** with 5 financial institutions and 2 crypto exchanges in Thailand, Cambodia and Malaysia

FINALIZED FUNDS FLOW and pricing model

BUILT DEMO of crypto-based international money transfer

Gearing up for the **PILOT** LAUNCH in Fall 2021

The easiest way to say 'yes' to help

Carestry

E-COMMERCE
HEALTHCARE
TECH
WELLNESS

1 in 5, or a total of 53 million adult Americans, are now unpaid family caregivers. Many are doing this alone without a way to accept help from family and friends. Carestry is the Care Registry that allows you to seamlessly and effectively harness the support of your community by showing them what you need most.

?Carestry



Kimberley Kimura Wellesley '23



Josh Madej MIT Sloan MBA '21 Northwestern MS '17



Richard Porteous MIT Sloan MBA '21

MIT PARTNERS:

Health Systems Initiative MIT Systems Dynamics / Anjali Sastry Sandbox Innovation Fund Sustainability Initiative

www.carestry.io



For caregivers who want to do all they can, Carestry is the caregiving registry that builds a community around a patient.

MILESTONES:

Conducted over 100 INTERVIEWS across caregivers, doctors, payers, patients, and providers

DEVELOPED FUNCTIONAL PROTOTYPEand launched
pilot registry
program

Established a
HIGH-QUALITY
PIPELINE OF
BETA USERS
through cancer
foundations

Using AI to revolutionize our fight against heart failure

Empallo

HEALTH TECH

Heart failure is the leading cause of hospital stays in the U.S. Nearly 7 million Americans suffer from heart failure, resulting in over 1 million admissions and \$12 billion in hospitalization costs annually.

Treatment response is often variable. Empallo uses machine learning to unlock hidden information and harness insights from vast amounts of patient data. Our solutions help clinicians personalize treatment plans and deliver the best care.

Empallo



Claire Beskin MIT Sloan MBA '22



Ruizhi (Ray) Liao MIT EECS PhD '21

MIT PARTNERS: Deshpande Center

MIT CSAIL
Sandbox Innovation Fund
Venture Mentoring Service

www.empallo.com



Selfie working from The Engine, a Tough Tech investor that provided free workspace for MIT Sandbox teams this summer

MILESTONES:

Conducted ~100 INTERVIEWS
with stakeholders including insurers, hospital administrators, clinicians, and other domain experts

Built product **PROTOTYPE**

ENHANCED AI TECHNOLOGY with additional data modalities

Formed 3 HOSPITAL PARTNERSHIPS

Received interest in piloting our technology from 14 HOSPITALS AND 4 INSURERS Design better. Shop better.

Fit for Everybody

FASHION TECH SaaS Fit for Everybody is closing the gap between designers and shoppers by collecting measurements from real women. We simultaneously help designers optimize sizes and shoppers find flattering fit. Our vision is for a more efficient, sustainable, and enjoyable fashion future in which designers and shoppers are connected through our platform.

everybody



Terry Kim MIT EECS '24



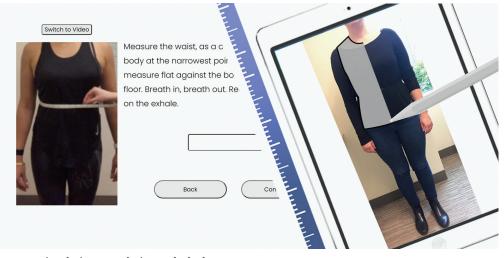
Jeff Monroe MIT Sloan EMBA '21



Laura Zwanziger MIT Sloan MBA '21

MIT PARTNERS: \$15K Creative Arts Competition Sandbox Innovation Fund StartMIT

www.fitforeverybody.com



Empowering designers to design to the body, so women can shop better

MILESTONES:

+2 BETA customers

+1 COMMIT-MENT from a major NY fashion brand

2200 WOMEN'S MEASURE-MENTS

2 publications

Artists live here

Flairr

FINE ARTS
SOCIAL
MEDIA
CREATOR
ECONOMY
LIVESTREAM

Professional artists face a dilemma in which they struggle to continuously engage, expand, and monetize their fanbase and supporters beyond their inner circle without devaluing their image and their work. They do not have a centralized place online to build a community of fans and fellow artists and profit from their work.

Our answer is flairr, a centralized virtual community for professional artists to interact with their fans, connect with fellow artists, and grow their artistic careers through a monetized feed, professional multimedia portfolio, and live streaming.





Jessi Kim Wellesley '23



Zachary Pitcher MIT EECS '20



Isabelle Ruan Dreyfoos School of the Arts '21



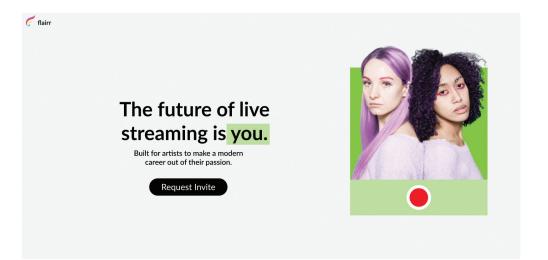
Ben Steffen MIT CompSci '23



Catherine Zeng MIT EECS '20

MIT PARTNERS: Trust Center EIRs / Kosta Ligris

www.flairr.com



The website's landing page where VIP artists will request an invite code to share with professional artists in their own network to join the flairr community

MILESTONES:

Interviewed over 85
ARTISTS AND PATRONS

More than **900 ARTISTS** in our database

LAUNCHED
THE DESKTOP
VERSION of
flairr to 10 VIP
visual artists
for beta-testing
and to set
the tone for
community
building

Your best workout is still ahead. Curated, Authentic, Free.

Havvi Fitness

FITNESS SOCIAL E-COMMERCE

Excellent home fitness shouldn't be exclusive. Havvi is a premium fitness experience for free.

Our free-to-play model brings HIIT, Yoga, Core, Steps, Strength, Cycling, and more. Find the right workout based on the equipment you have, the time available in your day, and target areas.

With social, commerce, and challenges launching soon, creators and users have closer ways to interact, engage, transact, and achieve fitness goals together.

From creators you know. From creators you'll love to discover.





Sidney Beaumaster Jacob Fure-Slocum Univ. of Wisconsin '17 MIT Sloan MBA '21



MIT PARTNERS: MIT Fuse Sandbox Innovation Fund

www.havvi.app



Finding the right workout content has never been easier than on our engaging mobile platform

(Photography by Kamaji Ogino)

MILESTONES:

APP IS **AVAILABLE** for download on iOS, coming soon to Android and TVs

16,000+ free. curated fitness videos, all designed to be discovered

100+ top talent creators





Skincare must not stop at the face

Hibiscus Monkey

BEAUTY & PERSONAL CARE

Your face makes up only 5% of your skin. The remaining 95% is on your body – your scalp, neck, elbows, underarms. But think about how much time, effort and money you spend on your face care, and how little you spend on your body care. Obsession with the face has made body an afterthought, but your own body cannot be an afterthought.

We are on a mission to become India's first body specialist brand. One that is powered by 100% natural formulations, ancient wellness rituals and India's digital commerce revolution. It's time to put body centerstage.

HIBISCUS MONKEY



Mona Mehtaex-Corporate Banker,
HSBC



Naina Mehta HBS MBA '22



Roshni Mehta MIT Sloan MBA '22 HKS MPP '22

MIT PARTNERS:

Legatum Center for Development and Entrepreneurship MIT Fuse Sandbox Innovation Fund

www.instagram.com/hibiscusmonkey



The Velvet Spray: a one-of-a-kind in-shower body moisturizer



HM Love: a hibiscus-flower powered oil to nourish the scalp



Cuddles: a rich balm for the elbows and knees

MILESTONES:

246% increase in website traffic through a revised content & digital media strategy

Selected into prestigious AMAZON LAUNCHPAD PROGRAM, identified as high growth potential brand

+25,000 FOLLOWERS on Instagram @hibiscusmonkey

VALIDATED PRODUCT MARKET FIT for 6 body-focused products and completed formulations Uncompromised. Unconquerable.

Invictus BCI

BIOTECH PROSTHETICS BCI

At Invictus BCI we do right by amputees. Current bionic prosthetic hands are capable of only a few basic grasps, difficult to control, and often stop working in the presence of sweat or after limited use. This gap between the needs of amputees and performance of bionic prosthetic hands is so frustrating that more than 60% of amputees give up on using their prosthetic.

We are currently creating a non-invasive neuroprosthetic brain-control interface (BCI) that will enable amputees to control their prosthetic just like a real hand. Our BCI leverages new advances in sensor technology (EMG and EEG) and deep learning to create a more intuitive, robust control system capable of decoding individual finger movement.





Eeshan Tripathii MIT Comp Sci / Biz Mamt '23

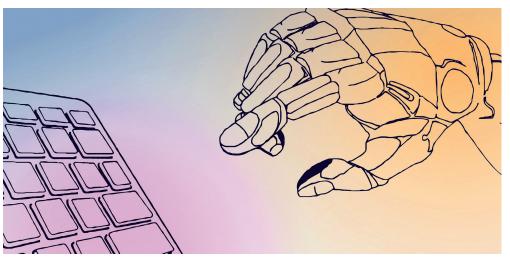


Vini Tripathii Cornell Tech MEng '20

MIT PARTNERS: I-Corps

Sandbox Innovation Fund

www.invictusbci.com



Giving back amputees full control of their hands

MILESTONES:

100+ INTER-VIEWS with amputees, prosthetic manufacturers, clinics and industry experts like AOPA

DEVELOPED

SECOND GENERATION of high density noninvasive EMG wearable signal acquisition system

SUPPLY CHAIN PARTNERSHIP

Developed relationships with European tech company and secured key tech components for R&D

Delivering the future of microbes

Ivu Biologics

MICROBIOLOGY AGRICULTURE

Microbes permeate most aspects of our health, food and environment but we have only scratched the surface in harnessing their power as most die before they are delivered and utilized. Ivu Biologics is a technology platform focused on manufacturing, storing and delivering these fragile organisms across various sectors. Our initial use case is in the agricultural space where we deliver fragile microbes to seeds to improve yields, even in saline environments. We use biodegradable, non microplastic materials that lower our environmental impact on our food and water systems while working to ensure a net zero carbon future.





Melissa Herman MIT MBA '22



Danai Jongwe Harvard '23



Mira-Rose Kingsbury Lee Harvard '24



Emily Yu MIT MBA '23

Owen Porth

MIT Bio Eng PhD '25

MIT PARTNERS:

Legatum Center for Development and Entrepreneurship MIT Civil and Environmental Engineering (CEE)
Sandbox Innovation Fund

www.ivubio.com



Changing the face of fragile microbe delivery



Conducted
OVER 150
CUSTOMER
INTERVIEWS

Found
PRODUCT
MARKET FIT

BUILT RELATION-SHIPS with potential buyers of our product

Developed
3RD PARTY
PARTNERSHIPS
(advanced stage)



Augustine Zvinavashe MIT Civil & Env Eng PhD '21

Helping you kick the habit

KickbitApp

HEALTH & WELLNESS

In the United States, 20-30% of adults bite their nails chronically. This habit affects multiple aspects of their lives such as their self-esteem, work-life, and relationships. Many have tried to stop nail-biting multiple times on their own with little to no long-term success.

At KickbitApp, we help people stop their nail-biting habit by creating a custom plan and matching them with helping products so they can grow their nails and confidence.





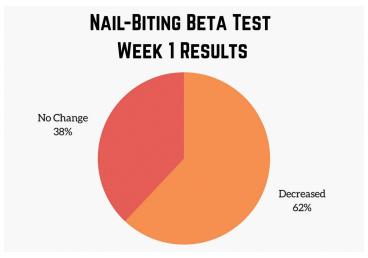
MIT SDM '21



Devaki Sakhamuru Ashley Ann Thomas

MIT PARTNERS: MIT Fuse Sandbox Innovation Fund StartMIT **Venture Mentoring Service**

www.kickbitapp.com



This chart represents the progress of the system in its initial testing stages. Over 60% of the people in our beta test have seen a decrease in their nail-biting.

MILESTONES:

100+ **INTERVIEWS** for market research

2 WEEK **BETA TEST**

60% OF BETA TESTERS observed reduction in nail-biting

Providing access to affordable architectural and engineering services to families in Latam

LA FIRME

DESIGN CONSTRUCTION HOUSING

Every year, 66% of the Latin American population moves into self-built houses. For low and middle income families, professional services are inaccessible, resulting in structurally flawed homes and overspending. LA FIRME makes architectural and engineering services affordable by breaking down the full professional service into small units that families can access at their own pace through our digital platform. We complement these services with a digital record of their home and an educational component to increase their construction knowledge.

LA FIRME



Fiorella Belli Ferro John Gibbons MIT Masters in City Planning '21



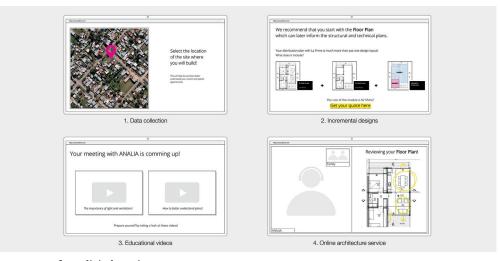
MIT Sloan MCP '23



Mora Orensanz MIT Masters in City Planning '21

MIT PARTNERS: Department of Urban Studies and Planning (DUSP)

www.casalafirme.com



Key stages of our digital service

MILESTONES:

INTERVIEWS

with lowincome families architects, and maestros in Latam

CONFIRMED MARKET FIT AND WILLINGNESS TO PAY

through a product prototype

20+ FAMILIES signed up on

our waitlist

LAUNCHING A PILOT in Peru by November 2021

Matching empty space with lonely cargo

Pelicargo

LOGISTICS TECH TRANS-PORTATION / SUPPLY CHAIN SaaS Cargo airplanes fly nearly half empty! Today, the logistics side of the air industry remains analog with simple bookings taking days and rates held as trade secrets.

Pelicargo aims to disrupt air cargo with a marketplace that allows any freight forwarder to instantly book space with airlines. Our business empowers over 100,000 small freight forwarders to secure the best possible air cargo rates by democratizing digital interfaces, deploying modern network optimization, and promoting price transparency all while improving the carrying-efficiency of resource heavy airplanes.





Jon Acquaviva MIT Sloan MBA '21 Cornell '08, MEng '09



Shinji Angata MIT Sloan MBA '21 UC Riverside '04



Edward Wang MIT PhD '24 UC Berkeley '17, MS '18

MIT PARTNERS: MIT Center for Transportation & Logistics MIT CSAIL Sandbox Innovation Fund

www.pelicargo.com



Pelicargo at a glance

MILESTONES:

Developed and launched **MVBP** (minimum viable business product)

Identified customers to **BETA TEST** the Pelicargo platform in Fall 2021

Grew Pelicargo FROM 3 TO 7 EMPLOYEES by onboarding two software developers, a designer, and an expert industry consultant

SIGNED STRATEGIC PARTNERSHIP and sponsorship agreement with IATA (International Air Transport Association) Hospitality. Community. Value.

Project Restore Us

FOOD INDUSTRY

Project Restore Us (PRU) brings the wholesale grocery pipeline's cost-effectiveness and efficiency closer to the homes of food-insecure families in the Greater Boston area. Our primary focus is working with our community organizations as partners to cater to families in need. We then vend at local and accessible farmers markets with culturally appropriate staples. By leveraging the restaurant supply chain, we and our team of volunteers have helped mitigate food insecurity by serving 750,000+ pounds of food to 2,000+ families.

FEEDING FAMILIES Project Restore Us



Tracy ChangBoston College '09



Irene Li Cornell '12



Marena Lin Harvard PhD '19



Laila Pearson Wellesley '22



Quantum Wei MIT MechE PhD '21

MIT PARTNERS: Harvard MIT COOP MIT Community Service Fund

www.projectrestoreus.org



This summer, Project Restore Us started selling cultural staples (beans, rice, and more) at farmers markets. Our customers gain healthy and familiar groceries while saving time and money.

MILESTONES:

Since May
'20, delivered
250 TONS
OF FREE
GROCERIES
to 2,000 homes
in partnership
with 5 local
restaurants

Supplied
120 TONS
of high-quality
and culturally
appropriate
groceries to
food pantries
for the city
of Boston

Within a 3 week pilot this summer, sold **7,000+ POUNDS OF STAPLES** at 5 farmers markets

Al for Inclusion

Project Us

ARTIFICIAL INTELLIGENCE COGNITIVE SCIENCE DIVERSITY & INCLUSION **TALENT** DEVELOPMENT The past decades have brought unprecedented progress in our understanding of and fight for inclusion. And alongside people like us, leading organizations have become increasingly committed to diversity...of all kinds.

Yet, we are still at the beginning of the road. Too many inclusion programs fail to reach their desired goals, and some even end up deepening divides. And almost none of the existing efforts make use of the other great leap of our century – technology.

Project Us uses the power of Artificial Intelligence and advanced bio-signal processing to help people grow into more inclusive leaders and organizations make tangible progress towards building more diverse cultures.





Mishari Alessa MIT Sloan MBA '22



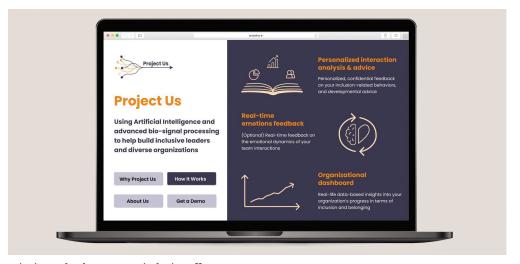
Camilo Rojas



Daniel Vargas MIT Media Lab PostDoc Univ. Costa Rica '21

MIT PARTNERS: Fluid Interfaces MIT Media Lab

www.projectus.ai



Bringing technology to your inclusion efforts

MILESTONES:

Validated technology in LEADING PEER **REVIEWED PUBLICATIONS**

Built prototype and tested with **100+ USERS**

Validated offer and iterated on prototype with **15+ D&I MANAGERS**

Launching pilots with TWO S&P 500 **COMPANIES**

Revenue generating tools for the creator economy

Rivet

CREATOR ECONOMY CRYPTO-CURRENCY MEDIA AND ENTERTAIN-MENT Creators continually lose out on 45-65% of potential revenue because they can't convert audiences on social media into repeat customers. Algorithms and lack of data visibility mean creators don't really own their fanbases.

For fans, there is no easy way to have intimate experiences with all their favorite creators because most monetization is focused on paid memberships which makes it difficult to support beyond their top 1 or 2.

Rivet lets creators quickly set up a personal fan community platform and website that fans can sign up to. Creators build repeat customers through owning their fan data, increasing digital and physical product sales via gamified engagement scores, fun rewards, and exclusive offers that drive revenues.





Korede Aderele Drexel '21



Anj Fayemi MIT ChemE '20



Nafim Rahman MIT EECS '21



Nina Rhone MIT CompSci '23

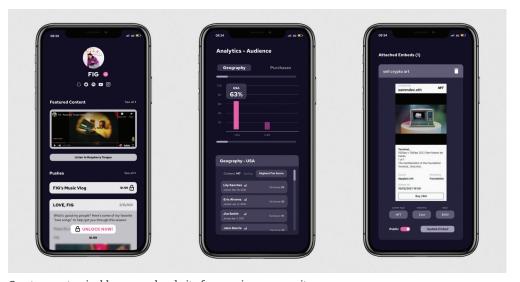


Lacthu Vu MIT CompSci '23

MIT PARTNERS: \$15K Creative Arts Competition MIT Innovation Initiative Sandbox Innovation Fund StartMIT

Venture Mentoring Service

www.rivetapp.co



Create a customizable personal website for growing community. Use engagement scores and analytics to understand fan journeys. Sell exclusive audio, video, merch, NFTs etc. directly to fans.

MILESTONES:

6 SUB-SCRIPTION CUSTOMERS, 1 annual

>\$11,000 made for creators and artists

NEARLY 150 PLATFORM USERS with
>7,000 fans in communities

Launched
FULLY
FUNCTIONAL
PRODUCT

PILOT WITH ARTIST PROGRAM secured and partnerships with 2 creator companies

Sustainable microbial pesticides

Robigo

AGTECH

Robigo is engineering the plant microbiome to reduce disease in crops. Unlike existing pesticides that indiscriminately kill microbes across the plant and soil and wreak havoc on the environment, our technology specifically targets pathogenic bacteria, allowing the plant and beneficial microbes to continue growing disease-free. We're creating the next generation of sustainable microbial pesticides that are environmentally friendly, non-toxic to field workers, and will enable more fertile soils that are rich with beneficial microbes.





Jai Padmakumar MIT Microbiology PhD '22



Connor Sweeney MIT BioEng '21



Andee Wallace MIT BioEng PhD '20

MIT PARTNERS: E14 Fund I-Corps Sandbox Innovation Fund

www.robigo.bio



MILESTONES:

50+ INTER-VIEWS with growers, industry professionals, and regulators

PARTNERSHIP with one of the largest tomato

largest tomato growers in North Carolina for field trials

ADVISORY BOARD of respected regulatory experts, ag policy leaders

latory experts, ag policy leaders, grower liaisons, and scientific experts

VALIDATED
KEY TECHNOLOGY for proofof-concept

PATENT-PENDING

Helping brands work together to sell more

Sidewalk

E-COMMERCE DTC SaaS Acquiring new customers as an online brand is 5x more expensive than it was a few years ago—and it's only getting worse. With advertising channels more saturated than ever before, stores are finding it harder to build brand awareness and reach more customers.

Sidewalk helps brands that are targeting similar demographics work together to grow their stores. Our platform makes it easy to form partnerships and enables partners to sell each other's products. Not only do these partnerships drive a risk-free increase in average order value, they also allow the partnered brands to be introduced to a whole new customer base. Join Sidewalk in building the digital network that helps brands connect and grow together.



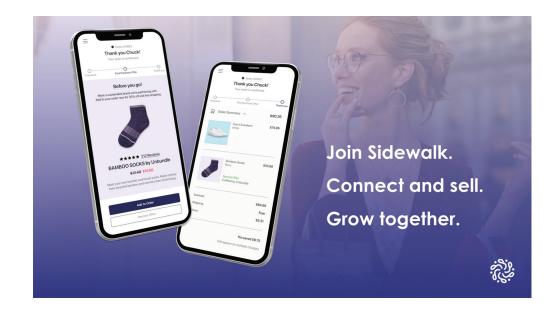


Adit Abraham

Christina Chen MIT Comp Sci & Eng '21 MIT Comp Sci & Eng '21

MIT PARTNERS: Sandbox Innovation Fund StartLabs

www.joinsidewalk.com



MILESTONES:

21 STORES signed up for product waitlist

3-STEP **ONBOARDING PROCESS** makes integration fast and simple

COMMISSION-BASED **PRICING** means we only win when you do

LAUNCHING **PILOT** in Fall 2021

Automation for any warehouse

Stack

LOGISTICS WAREHOUSING

Stack aims to automate warehouses for the sub-hour delivery of e-commerce. This fast-growing market, however, is characterized by having very small and dynamic facilities of a couple of thousand square feet. Hence, our solution is designed to be simple, modular, and easy to scale. This way, different from existing technologies, our system can fit in any warehouse-regardless of size, shape, or budget.





Bernardo Aceituno Steven Burcat MIT MechE PhD '23



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www.getstack.ai

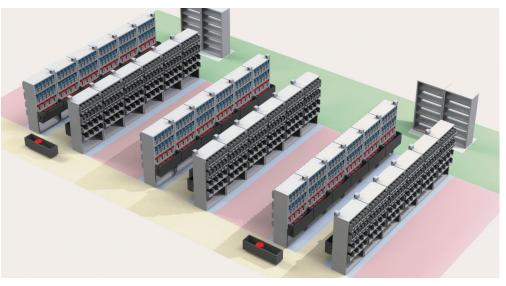
MILESTONES:

Designed our **MINIMUM** VIABLE **PRODUCT**

SECURED OUR FIRST PILOT PROGRAM for this Fall

Got our **FIRST** LETTER(S)
OF INTENT

Defined PRICING **FRAMEWORK AND SALES PROCESS**



Our solution: an easy to install and adapt warehouse automation system

Connecting employers and returning citizens

Surge Employment Solutions

STAFFING AND HR SOCIAL IMPACT

Surge Employment Solutions is a workforce development, staffing, and mentoring company for formerly incarcerated people. Our organization has established a talent pipeline—built on partnerships with a network of community partners—that guarantees the best talent for employers who are committed to hiring returning citizens. Surge's post-placement coaching and mentoring services allow new employees to excel, improving job retention and satisfaction for employers and in turn saving them thousands of dollars in recruiting costs. Together, we can dismantle employment discrimination.





Hazel Kevlihan Wellesley '23



Rebecca Lang MIT Sloan MBA '22



James Simon MIT Comp Sci, Econ & Data Science '24



Eric Tuttle Northeastern MS '22



Brooke Wages MIT Sloan MBA '22 HKS MPA '22

MIT PARTNERS:

PKG IDEAS Social Innovation Challenge Sandbox Innovation Fund Sustainability Initiative

www.surge-es.org



Building bridges between employers and formerly incarcerated people to end employment discrimination.

MILESTONES:

SURVEYED OVER 160

employers and formerly incarcerated people

KICKED OFF A PILOT PROGRAM with 2

customers

PARTICIPAT-ED IN A TEAM DYNAMICS WORKSHOP

to foster collaboration and understanding among team members Impactful mentorship, one call at a time

Underdog Coaching

EDTECH

Admissions teams across universities are strapped for resources and continuously seek to attract the best talent. So much so, that they spend over \$12B in recruitment efforts every year.

Underdog Coaching makes it easy for admissions to leverage their most valuable asset, students and alumni. We onboard current students and alumni who want to mentor from the comfort of their dorm or room while owning their schedule. Through our mentorship matching platform any prospective student can search and find individuals who are willing to share their best advice on traversing the application journey and insights into campus culture.

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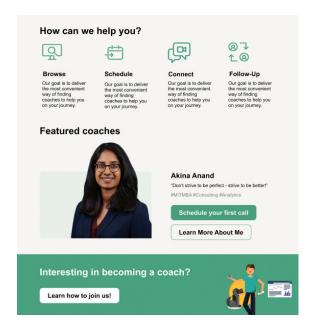
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Over 100 MBAS INTERESTED in beta

CORE ENTREPRENEURS IN RESIDENCE



carly chase began her career at Goldman Sachs and joined the NYC Economic Development Corp under Mayor Bloomberg where she launched a number of initiatives aimed at making NYC friendlier for entrepreneurs to start companies. She has

since worked with a number of startups, and runs Crabwalk, which focuses on career progression in the new era of work. In addition to her role as Director of delta v, she also is a Senior Lecturer at MIT Sloan where she teaches the affectionately called "Get Stuff Done" course as well as "Corporate Entrepreneurship."



PAUL CHEEK is a serial tech entrepreneur, software engineer, an EIR at the Trust Center, and a Lecturer at MIT Sloan. Paul teaches MIT's "New Enterprises" course, advises students across campus, and leads the team building Orbit (orbit.mit.edu).

He is co-founder and CTO of Oceanworks, a global sustainable materials marketplace aiming to end plastic pollution. Previously, Paul co-founded Work Today, a digital staffing and recruiting company, and has built technologies for and consulted with LogMeIn, BlackRock, Prudential, Mazda, and more.



KIT HICKEY co-founded
Ministry of Supply while a
student at MIT Sloan. Using
innovative materials and advanced manufacturing, Ministry
invented a new category of
clothing: performance professional. Kit built and lead

Ministry's customer experience team and expansion into retail stores. Prior to MIT, Kit helped emerging market entrepreneurs access financing, and also worked in investment banking. She is a Senior Lecturer at MIT Sloan and teaches "Entrepreneurial Founding & Teams" and "Intro to Technological Innovation."



KOSTA LIGRIS is an experienced CEO, entrepreneur, investor, and was the founder of the Ligris family of companies, a collection of professional services, real estate, and consulting companies. Kosta has extensive experience in all aspects of real estate, including

lending, finance, legal, and regulatory frameworks. His passion for innovation has led him to his latest startup, a Boston-based fintech called Stavvy, which seeks to digitize transactions that impact life's defining moments.

SWING ENTREPRENEURS IN RESIDENCE



GABRIELLE HADDAD is the co-founder and COO of Sigma Ratings, a leading AI-driven risk intelligence platform that she co-founded while a student at MIT Sloan. Gabrielle started her career as an M&A and corporate governance attorney at Milbank,

Tweed, Hadley & McCloy LLP in New York and was an executive at The Global Fund in Geneva, Switzerland. In addition to Sigma, Gabrielle currently works with entrepreneurs as a startup advisor and mentor.



SANDY KREIS LACEY leads engineering and product teams for John Hancock's innovation labs, and is a member of TBD Angels where she has led 3 investments in Boston-based startups. Prior, Sandy was a 3x startup operator, and was in MA state government

where she created programs to support the growing climatetech cluster. Sandy has been a visiting Lecturer on entrepreneurship at Tufts University, and is joining MIT Sloan as a Lecturer this fall. She has a Master's in Business & Energy Policy from the Fletcher School at Tufts and a B.A. from Georgetown.



BRINT MARKLE is an experienced entrepreneur, founder, and business leader and is Sr. Director of Business Development at Lucid, a visual collaboration suite, where he leads a variety of product partnerships and integrations with Google, Amazon, Microsoft,

Atlassian, Slack, and others. He is co-founder and CEO of Mountain Hub (delta v 2013), which was acquired by Mammut Sports Group in 2018. Prior, Brint completed his MBA at MIT Sloan where he was an Anderson Fellow, worked at Bain & Company, and founded Rival Magazine.



DIP PATEL is a technologist, engineer, entrepreneur, and founder of Ecovent, a smart home technology company that sold to ConnectM in 2016. Before Ecovent, Dip led the design, development, and production of complex radar hardware systems at Lockheed

Martin. He has a BSEE from Drexel, an MSEE from Penn, and an MBA from MIT Sloan. He's currently the CTO of Soluna, which builds computer centers powered by utility-scale renewable energy.



KATHLEEN STETSON is an executive coach, using her entrepreneurial experience to help "many-hats-wearing" people better understand themselves and the world around them. Her self-awareness program for MIT delta v has produced the

first statistically significant data showing the benefit of self-awareness techniques for entrepreneurs. Kathleen is a former opera singer, acoustical engineer, startup founder, and MIT Sloan MBA.

46 Core EIRs Swing EIRs 47

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A partial list of key MIT departments and organizations critical to the success of this year's cohort.

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Helps students and faculty commercialize breakthrough technologies deshpande.mit.edu

designX

Developing ventures that accelerate innovation in design, cities, and the built environment designx.mit.edu

IDEAS SOCIAL INNOVATION CHALLENGE

A social entrepreneurship program helping MIT students tackle quality of life issues pkgcenter.mit.edu/programs/ideas

LEGATUM CENTER FOR DEVELOPMENT & ENTREPRENEURSHIP

A hub to accelerate global economic progress through innovation-driven entrepreneurship legatum.mit.edu

MIT \$100K ENTREPRENEURSHIP COMPETITION

MIT's student-run business plan competition since 1990 mit100k.org

MIT/BU LAW CLINIC

Free guidance from Boston University law students provided to MIT students and startup teams entrepreneurship.mit.edu/bu-law-clinic

MIT D-LAB

Advancing collaborative approaches and practical solutions to global poverty challenges d-lab.mit.edu

MIT FUSE

The Trust Center's 3-week startup accelerator held every January entrepreneurship.mit.edu/mit-fuse

National Science Foundation program offering training for researchers considering a startup icorps.mit.edu

MIT INNOVATION INITIATIVE

Helping students design, build and execute world-changing discoveries at MIT innovation.mit.edu

MIT STARTUP EXCHANGE

Partners MIT-connected startups and members of MIT's Industrial Liaison Program startupexchange.mit.edu

MIT VENTURE MENTORING SERVICE

Matches MIT entrepreneurs with skilled volunteer mentors for advice and coaching vms.mit.edu

PRISCILLA KING GRAY PUBLIC SERVICE CENTER

Supporting public service experiences for MIT via fellowships, grants, and other programs pkgcenter.mit.edu

SANDBOX INNOVATION FUND

Provides seed funding and mentorship for student-initiated entrepreneurship ideas sandbox.mit.edu

STARTMIT

A 3-week course for students curious to explore the "on-ramp to MIT's entrepreneurial world" entrepreneurship.mit.edu/startmit-iap

48 Guests and Mentors

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It takes significant financial resources to run MIT delta v each summer.

In addition to the funding from our benefactor, the late Martin Trust, and the initial grant to support the program from the Anne Goss Foundation, we wish to highlight the contributions from the following individuals who have supported MIT delta v during the past two years while we ran the program virtually.

Haeiin Baek '86 Gary Bergstrom PhD '68 and Maggie Bergstrom Gaëtan Bonhomme MBA '08 Jonathan Bush Jr. China Development Industrial Bank Wendel W. SF '68 and Suzanne K. Cook John W. SM '84 and Pamela Cuming Jean-Jacques Degroof SF '93, PhD '02 **Bradlev A. Feld '87. SM '88 and M. Amy Batchelor Brian P. Halligan SF '05 Jean Hammond SM '86 and Michael Krasner '74. EE '75. SM '75. PhD '79 **Ivv Head Family Foundation** Robert Huang SM '79 Jonathan W. Hung MNG '11 Charles F. Kane Frederic MBA '09 and Sara Kerrest Oliver Kwan and Haiwen He Konstantinos Ligris EMBA '18 Tamara Lucero-Rajaram MBA '01 and Gokul Rajaram MBA '01 Salvatore N. Lupoli SF '12 Diana J. Mackie SM '70. SM '79 L. James Marggraff '82. SM '82 Scott M. Maxwell PhD '90 Robyn and Bob Metcalfe '68 Preetish Niihawan MBA '98 and Cervin Ventures Jason Norris MBA '14 Judith W. O'Connell EMBA '20 Fane W. and Corie Opperman George N. Petrovas Robert Pozen **Praesidium Diagnostics LLC Oueensland University of Technology** Edward Roberts '57, SM '58, SM '60, PhD '62 and Nancy Roberts Dharmesh Shah SM '06 Amnon Shashua PhD '93 Norman L. Shiplev Bruce E. Stangle PhD '78 Ray '57, SM '58 and Maria Stata Richard P. '91, SM '92 and Geraldine Wong Paul Yang '91. SM '92

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2013

Grove lallitara Mountain Hub Nima **NVBots** Thyme Labs

2014

Accion Systems Ashton Instruments **Embr Labs** EverVest Horbito Love Grain Monograph Obaa Smarking Wise Systems

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2016 Alfie Armoire DeepStream **Emerald** Factory Shop FleteYa Hive Maritime Lean On Me Leuko Labs Perch Rendever Ricult uLink

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2017

Biobot Analytics

Bloomer Health Tech

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Octant

PicFic

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Pine Health Remora ReviveMed **Roots Studio** SendFriend Sigma Ratings Sophia Synaps Labs

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^{**}Funding for the Batchelor / Feld Fellowship Program, which allows Wellesley students to work alongside MIT teams during MIT delta v and receive the same benefits and financial assistance as MIT students.