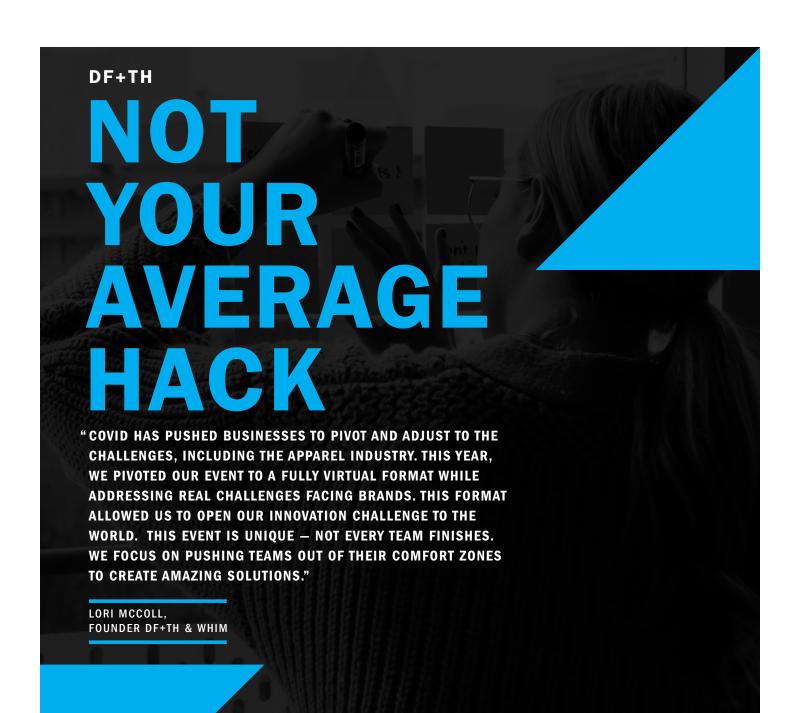
2020
IMPACT REPORT

### FASHION-TECH HACKATHON

DETROIT'S RETAIL + APPAREL INNOVATION CHALLENGE







ERIC YELSMA, DETROIT DENIM



"I'M AMAZED AT HOW MUCH WAS ACCOMPLISHED IN A 36 HOUR TIME FRAME. IT WOULD HAVE TAKEN US A FEW MONTHS TO GET THAT TYPE OF WORK DONE — AND IT WOULDN'T HAVE BEEN AS WELL THOUGHT OUT. THE TEAMS WERE REALLY GOOD AT WHAT THEY DID."

## REAL PROBLEMS. REAL, INNOVATIVE SOLUTIONS.

### **DFTH**

The 36-hour Detroit Fashion + Tech Hackathon brings together creativity and technology to develop solutions to the problems facing the fashion and retail industries. This event supports the overall foundation of innovation in Detroit.

THE 2020 DETROIT FASHION + TECH HACKATHON (DF+TH) BROUGHT **TOGETHER 93 REGISTRANTS FROM 11 COUNTRIES AND 11 STATES TO SOLVE REAL PROBLEMS FACING ESTABLISHED BRANDS IN THE FASHION AND RETAIL** INDUSTRIES. The 36-hour event kicked off Friday, Sept. 25, 2020 at 5:30 p.m. EDT and ran until 3:20 p.m. EDT on Sunday, Sept. 27, 2020. The DF+TH was co-hosted by Whim and Pure Michigan Business Connect (PMBC), an initiative of

the Michigan Economic Development Corporation (MEDC). For the past three years, the DF+TH has set a number of goals related to diversity, creativity, and community.

The 36-hour competition provided participants with unique mentorship as well. Whim and its mentor partner, Grand Circus, provided over six mentors with skills in computer science, systems engineering, manufacturing, artificial intelligence and fashion. The mentors worked closely with participants throughout the weekend.

With collaboration from mentors, problem statement partners, and sponsors, this year's teams brought new ideas to the table, as the industry adopts new methods of innovation to bridge the gap between consumers and fashion.





## **36 HOURS**









### DETROIT DENIM PROBLEM STATEMENT

Create a solution that would allow the customer to experience the production of their jeans from order to receipt.



### DEVIANT DESIGN PROBLEM STATEMENT

Create a solution that would support the automation of the color recipe based on the type of textile, color & cut. Ideally, this solution should get smarter are more data attributes are added to the solution.

### DFTH

At a glance, the 36-hour Detroit
Fashion + Tech Hackathon
brings together creativity and
technology to develop solutions
to the problems facing the
fashion and retail industries.
The event also provides
networking opportunities with
industry experts. When looking
deeper, the DF+TH is a part of an
ethical fashion revolution ignited
by the COVID-19 crisis.

This event is an official part of the Detroit Month of Design. 2020 marks the 10th anniversary of the festival which takes place September 1-30. Programmed by Design Core, Detroit Month of Design is a citywide celebration of creativity that gathers designers and the greater community to celebrate Detroit's role as a UNESCO City of Design.

"While industries are still uncovering the full impact of COVID-19, the crisis is providing an opportunity for unique innovation and more sustainable practices in fashion," said Lori McColl, Founder of DF+TH and Whim. "Not everything will be successful; however, this is a good time to test things out and develop a blueprint for moving forward, one of the guiding principles of the DF+TH."

The last few months have seen a historic shift in how the world views technology in the fashion industry. Fashion is culture; it's only right for fashion to seize the moment to review sustainability, ethical sourcing, and its role with regard to diversity. Questions have arisen on protecting fashion's most vulnerable workers after COVID-19. How do we protect smaller brick and mortar brands from extinction?

"Whim hopes after this crisis, we will see a shift in sustainability to include global citizenship," said McColl. "A focus on the way we think of each other and the responsibility we have to care for one another. We hope the DF+TH will bring awareness, and most importantly real solutions to aide brands in the midst of an economic collapse."

"As the fashion industry continues to develop, it is becoming harder to talk about fashion without also discussing technology," said Cassidy Tucker of Deviate Fashion, a DF+TH 2020 partner. "Technology has completely disrupted a number of industries that we would consider fashion related. For example, the textile manufacturing industry is more efficient, sustainable, and cost-effective than ever. However, it is still incredibly wasteful - a simple pair of jeans can require 1,500 liters of water to produce."

While the DF+TH looks forward, its history demonstrates the event's impact. The DF+TH was created in 2018 as a strategic event to attract investment and create jobs for Detroit. With the goal of diversifying trades and manufacturing, the DF+TH has an opportunity to impact technology and innovation to bring creatives together in a new and sustainable way.

Now, the DF+TH is moving beyond just Detroit.

"Of all segments of manufacturing, apparel has been one of the last to automate," said Brenna Lane of Detroit Denim, a DF+TH 2020 partner. "There are so many opportunities for technology to positively impact every aspect of the apparel industry, from manufacturing to customer experience."

"The DF+TH is a unique platform that has always brought creative minds together in Detroit and demonstrates how their talents and businesses could grow and thrive here in the state," said Tanya Markos-Vanno, Development and Operations Manager, MEDC's Pure Michigan Business Connect. "Now this annual event is moving virtual, providing opportunities for participants across the world to connect, meet mentors, and develop innovative solutions, showcasing how Detroit and Michigan play an important role in the growing apparel, retail, and high-tech fields globally."

# **DIVERSITY + INCLUSION:**HOW 2020 DF+TH MEASURES UP

93
REGISTRANTS



35 MALE



53 FEMALE 87% FREE AGENTS



**AREAS OF EXPERTISE:** 

**26% FASHION** 

29% TECHNOLOGY

**17% BOTH FASHION + TECH** 

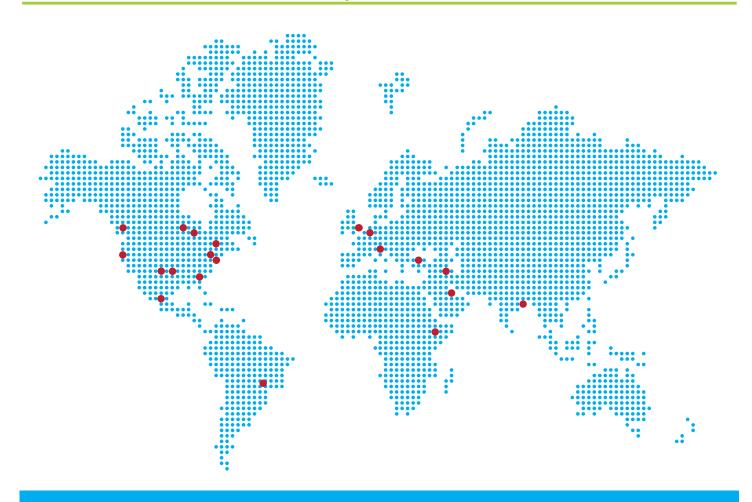
**28% AUTOMOTIVE** 

**FROM** 

11 COUNTRIES 11 STATES



Fashion Retail Expert Al/Hackathon Expert Front End Developer/ UX/DigitalMarketer Software Engineer/ Designer Back End Software Engineer





### SARA HAN | JUDGE

Co-Founder, MixPose MixPose is a live streaming yoga platform that uses Al pose detection in real time. Sara is a multi-disciplinary software engineer and UX/UI designer with specialization in front end development and skills in 3D web visualizations and 3D modeling. She has over 10 years of experience in software and design with a BFA Graphic Design and a double minor in Computer Science and Web Technologies & Applications. Sara's also an Nvidia Al Innovator. She's won dozens of hackathons, was part of the team that was a grand challenge winner for United Nations Development Programme COVID-19 challenge, participated in the China-US Young Makers 4 years in a row, and has been invited to international hackathons including Vienna, Stockholm and Beijing.

"Innovation and creativity are always put to the challenge when there is limitation. In this hackathon, the limitation was the fashion industry and the challenge statements. Hackathon participants received real industry problem statements about the specific subjects. All of the submissions had their own strengths and unique factors which made it a very difficult hackathon to judge. The organizers, sponsors, mentors and judges were all very impressed by the contestants and their creative solutions."

### JONATHAN OLSEN | MENTOR

Front End Developer / UX / Digital Marketer With a Master's Degree in Sport Administration and many Continuing Education Certificates in Web Design, Front End Development and Computer Software Engineering, Jonathan is eager to assist with our DF+TH as a mentor. He has extensive skills as a digital marketer and developer to support dynamic website creation.

"Big thanks to the WHIM team for a great Detroit Fashion + Technology Hackathon event and allowing me to be a mentor this weekend! I love seeing participants putting together solutions to the Detroit Denim Co. and Deviate Designs problems."





### CHIOMA ONUKWUIRE | PARTICIPANT, TEAM SUS SUPPLY

Compliance Analyst, Wells Fargo / Designer & Co-Owner, CHIMU During the day, I am a Compliance Analyst, but at night I am a fashion designer that loves to incorporate tech into their designs. My company (CHIMU) recently pivoted and we have been brainstorming more ways on how we could combine fashion and technology. That is when we heard about this amazing Hackathon.

"...Not only did we study and provide solutions to problems and gaps within the fashion industry, but I learned how technology can be used to solve those problems...it was not until this Hackathon that I really understood the lot and how useful it is. I absolutely loved this Hackathon and how they bring awareness to both the fashion and tech side!"



### FIRST PLACE

### TEAM SEAMLY















AVERY GREEN

TAMMY ONG

JOSHUA ASKER

KAI CUI

RIFAYAT UDDIN

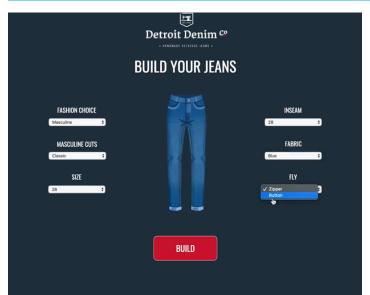
### **DETROIT DENIM SOLUTION**

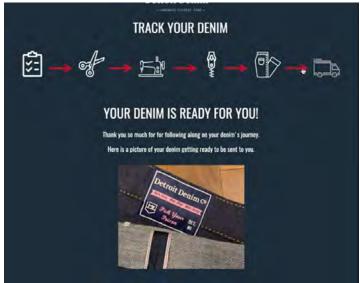
Team Seamly created a new Shopify plug-in which enhanced the customer's real-time experience from order to receipt. Starting with the "Build Your Jeans'" tool to the "Track Your Denim" the experienced design was created to engage the core customer audiences.

The solution included the visual design for the experience, as well as the scanning solution to provide data triggers as the jeans move through the manufacturing process at key moments. The data triggers were integrated into the solution to allow for image, text and email notifications to build a customer connection with the process of their jeans being designed and manufactured.

"Strong design for the user experience. Strong pitch. They really tackled the problem statement, did a lot of research and closely aligned with the problem statement. Love the UX UI for the online shopping experience."

- DF+TH Judges





### SECOND PLACE

# TEAM GENERAL CODERS



One of the biggest challenges my teammates face is finding problem statements to pursue outside of work. The Detroit Fashion and Technology Hackathon went through great lengths to identify problem statements to solve problems for an entire industry (made to order manufacturers). The DF+TH's efforts coming up with problem statements prior to the event made it easy for us to jump in, develop ideas, and ultimately create a prototype. Removing the barrier of identifying a problem statement allowed us to have a very enjoyable and productive weekend.











ASHLEY NEWMAN THOMAS NEWMAN

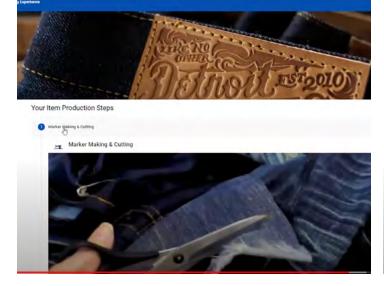
CHELSEA WYLIE

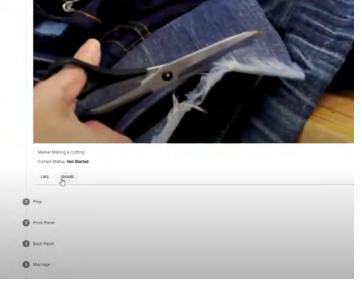
CHRISTOPHER WYLIE

#### **DETROIT DENIM SOLUTION**

Team Coders developed a full stack solution that included a front-end interface that showed the movement of a customer's pair of jeans through the manufacturing steps with a fully engineered back-end that integrated the RFID scans at each step of the process. The fully developed back-end, leveraged the product flow, similar to the automotive industry, with the future state design to be integrated into an enterprise & ecommerce platforms for a flexible number of manufacturing steps.

"We were blown away by the amount of functional work completed in the short amount of time. This could be used as an API and be applied and sold to other companies." – DF+TH Judges





### THIRD PLACE

### TEAM SUS SUPPLY



For me this hackathon is the perfect amalgamation of all my interests and gives me the opportunity to learn and grow in all these domains. Brainstorming with team members from around the world, networking and learning from people, mapping a customer journey and making a potential solution which solves an integral problem is something I enjoyed.

- TANYA SANDEEP GUPTA











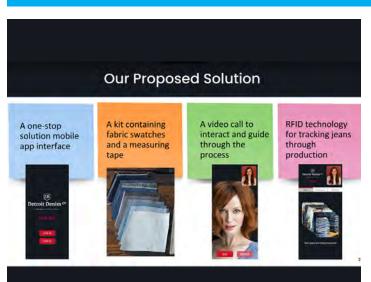
TANYA SANDEEP GUPTA

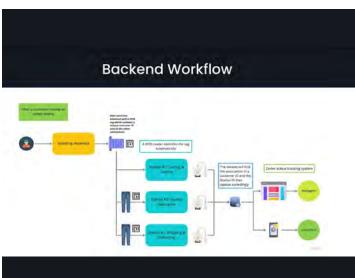
VAIDEHI AMBARDEKAR CHIOMA ONUKWUIRE YILIN JIA

#### **DETROIT DENIM SOLUTION**

Team Sus Supply developed a solution that was designed to be a onestop shot mobile application that was paired with a physical Detroit Denim swatch kit and an interactive fit guidance and a tape measure. The mobile application was designed to include a video chat feature for a virtual fit appointment and integrated RFID technology for tracking jeans through the production process.

"Great research and flows done for the app. Nice idea to connect people to the brand this way and for customers to feel the quality and color of the material." – DF+TH Judges

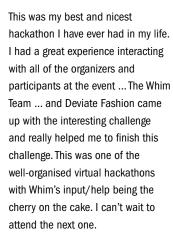




### RESILIENCE AWARD

### TEAM KOLOR UNLEASHED





- SURUCHI KHAMESRA

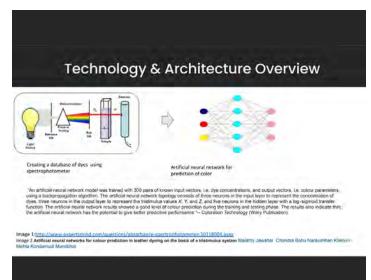


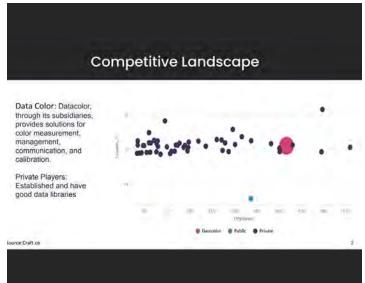
SURUCHI KHAMESRA

#### **DEVIATE DESIGN SOLUTION**

Team Kolor Unleashed identified the cost associated with redyeing fabrics due to uneven color matching. For small to mid-sized brands who care about the sustainability of their process, many of the expensive equipment is not accessible. As a Team of One, Suruchi proposed a solution to optimize the textile dye recipes leveraging an artificial neural network on a machine learning platform that more closely predicts the dye composition to match the desired color.

"We were very impressed by her creative solution to the problem statement derived from her unique background in chemistry and her deep-dive research into AI/Machine Learning. We really liked how she thought out the process and the steps in order to make this a real solution." – DF+TH Judges





#### **DF+TH 2020**

### **HOSTED BY**





### **BRAND PARTNERS**





### **SPONSORS**









### SHINOLA DETROIT





### **OUTREACH PARTNERS**









#### **JUDGES**

**Dan Kinney**Senior Advisor, Strategy, Tome **Sarah Han** 

Co-Founder at MixPose

#### **MENTORS**

Lori McColl

Founder, DF+TH & Whim-Detroit

**Jonathan Olson** 

Front-End Developer & UX Designer

**Brandon Klotz** 

Software engineer & designer

**Adam DePollo** 

Back-end software engineer

Peter Ma

Al Expert

**Leanne Roddy** 

Fashion industry expert

**Cassidy Tucker** 

Co- Founder, Deviate Fashion

**Kelsey Tucker** 

Co-Founder, Deviate Fashion

**Brenna Lane** 

Production & Operations, Co-Owner, Detroit

Denim

Eric Yelsma

Co-Owner, Detroit Denim

