

Katherine Lee

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EDUCATION

Georgia Tech School of Industrial Design, Atlanta, GA
Master of Industrial Design, 2026 School Chair Fellowship

Expected Aug 2026 – May 2028

University of Michigan, Stamps School Of Art & Design, Ann Arbor, MI
Bachelor of Fine Arts: Industrial Design **GPA: 3.79**
Dean's List FA 2021, James B. Angell Scholar Spring 2025

May 2025

SKILLS

Design: Sketching, human centered design, design thinking, user research, storyboarding, prototyping, usability testing, CMF design

CAD & Modeling: Fusion 360, Onshape, Blender, Rhino 3D

Digital: Figma, Adobe Illustrator, Adobe Photoshop, Adobe XD, Adobe InDesign, Adobe After Effects

WORK EXPERIENCE

Spotwatch LLC, Industrial Designer, Ann Arbor, MI

May 2025 – Present

- Rapidly designed and iterated electronic enclosures for embedded electronics and batteries using **Fusion 360** and **Onshape**, optimizing mounting features, threads, and tolerances for reliable hardware integration.
- Collaborated with hardware and software engineers in **design reviews** to refine mechanical components based on usability and technical feedback, accelerating MVP readiness under tight timelines.
- Led **color, material, and finish** strategy for UV-resistant, camera-optimized device, addressing ergonomic and mechanical challenges through usability testing to balance driver safety, user comfort, and brand identity.
- Created high-fidelity **Blender** renderings as **marketing assets** that effectively visualized Spotwatch prototypes for demos.

Stamps School Of Art & Design Digital Fabrication Lab, Studio Monitor, Ann Arbor, MI

Sept 2024 – Apr 2025

- Managed and consulted 3D printing projects for students and faculty, providing guidance on PLA and resin material selection and preparing files in **Bambu Studio** and **PreForm**, which ensured reliable prints and improved project outcomes.
- Assisted students on CAD modeling issues in **Fusion 360**, **Rhino 3D**, and **Blender** to prepare files for 3D printing.
- Maintained Bambu X1E, Bambu X1 Carbon, and Formlabs resin printers, completing **100+** successful print jobs.
- Verified laser cutting project files in Illustrator and Rhino 3D, then guided students and faculty to correctly set up the PLS 675 and ILS12.75 **Laser Platform**, resulting in fabrication success across diverse materials.

Siemens Digital Industries Software, Mendix, Student Strategic Program UI/UX Design Intern

May 2022 – Aug 2022

- Redesigned the **UX/UI** of the internal application *App Factory Suite* for **enterprise users**, including program owners, administrators, architects, developers, and reference users, to streamline administrative and development tasks.
- Analyzed **user flow charts** to identify key pain points, reducing friction and creating an intuitive product experience.
- Designed high-fidelity wireframes in **Figma** and implemented the frontend styling for the live production application, using **Mendix Studio Pro** and **CSS**.
- Delivered weekly **presentations** to stakeholders after each **agile sprint**, aligning design decisions with business objectives.

University of Michigan Multidisciplinary Design Program, UI/UX Designer, Ann Arbor, MI

Jan 2022 – Dec 2022

- Collaborated in a **multidisciplinary team** of engineering students and faculty, as part of the University of Michigan's ArtsEngine FEAST program to commercialize low-cost space weather sensor packages.
- Designed a **web-based dashboard** user interface for nationwide magnetometers using Adobe XD and Adobe Illustrator, which translated complex scientific data into intuitive visualizations for students and community researchers.
- Created a **UI style guide** by standardizing typography, color, and iconography, maintaining a consistent user experience.

ACHIEVEMENTS

2021 SEDS Space Art Competition

- Created one of three winning paintings selected for launch to the International Space Station aboard **SpaceX Dragon** on the **CRS-25** mission.

CLUBS

University of Michigan Solar Car Team – Aerodynamics Member

Sept 2021 – Feb 2022

- Completed required **CAD training** using **Siemens NX** ahead of schedule and received recognition for rapid onboarding.