

JANICE TJAN

jtjan@mit.edu
linkedin.com/in/janicetjan
jtjan.me

EDUCATION

Massachusetts Institute of Technology (MIT)

CAMBRIDGE, MA

Candidate for **Bachelor of Science in Mechanical Engineering, Bachelor of Science in Art & Design**

Graduation: June 2022 | GPA: 4.5/5.0

Coursework: Design & Manufacturing, Objects & Interactions, Innovation Systems, Product Engineering Processes

EXPERIENCE

OXO (Remote)

NEW YORK, NY

Jun '21 - Aug '21

Product Development Intern in Coffee and Tea

- Presented suggestions for energy-efficient device design to support OXO's Design for Environment initiatives based on sustainable use information from competing coffee machine brands and international energy-saving standards.
- Prepared competitive analysis for foundational research in five product pipeline gates.

Community Biology Initiative — MIT Media Lab

CAMBRIDGE, MA

Jun '20 - Jun '21

Undergraduate Researcher

- Authored media (instructional videos, manuals, informational material) about DIY electroporator (lab equipment) assembly to teach responsible use of these devices and empower novices to explore synthetic biology.
- Introduced a rating system for microfluidic device fabrication instructions stored on Metafluidics, an open-source

Teknikio

BROOKLYN, NY

Jun '20 - Aug'20

Educational Product Designer

- Prototyped product changes to reduce material waste and remixed the existing product line to create seven project tutorials.
- Wrote and published online content and curricula for Teknikio's online educational platform for subjects like Digital Justice and Health Wearables.

LEADERSHIP

MIT Educational Studies Program (ESP)

Sept '18 - Present

ESPidar Director (Website Project Manager)

Dec 19' - PRESENT

- Synthesized two years of website feature brainstorming and research into a coherent and focused specification document.
- Initiated and orchestrated interactions between an interdisciplinary student team and website development firms to monitor the quality of a \$100K web development project.

MIT BioMakers Group

Jan '21 - Present

Chair

May '21 - PRESENT

- Organized sprints and pushed initiatives themed around diversity and entrepreneurship for the student-led la
- Fostered the growth of this club chartered in 2020 by increasing membership by 200%, diversifying hands-on workshop offerings, and becoming a spokesperson for the Huang Hobbs BioMakerspace.

ADDITIONAL SKILLS

- **CAD+Render:** Rhino, Solidworks, AutoCAD, Blender
- **Visual Communication:** Adobe Creative Suite
- **Rapid Prototyping:** 3D Printing, Laser Cutting
- **Coding:** MATLAB, HTML, Python, Java

PROFESSIONAL AFFILIATIONS

- Architecture, Construction, and Engineering (ACE) Mentorship of Greater New York
- GOALS for Girls at Intrepid Sea, Air & Space Museum
- MIT Women's Initiative