





JANICE TJAN

jtjan@mit.edu 
[linkedin.com/in/janicetjan](https://www.linkedin.com/in/janicetjan) 
(347) 399 - 9333 
jtjan.me 

EDUCATION

Massachusetts Institute of Technology (MIT)

CAMBRIDGE, MA

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

Graduation: June 2022 | GPA: 4.5/5.0

Coursework: Design & Manufacturing, Design: Objects & Interactions, Design Studio: Advanced Interactions, Innovation Systems

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 that would serve as foundational research for 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 information stored on the open-source microfluidic platform, Metafluidics.

Teknikio

BROOKLYN, NY

Jun '20 - Aug '20

Educational Product Designer

- Prototyped product changes with the goal of reducing 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

- Organized efforts to synthesize years of website feature brainstorming into a coherent and focused specification document.
- Initiated and orchestrated interactions between a interdisciplinary student team and website development firms to monitor the quality of the website being produced.

MIT BioMakers Group

Chair

Jan '21 - Present

May '21 - PRESENT

- Organized sprints and pushed initiatives themed around diversity and entrepreneurship for the executive team that manages the student led lab.
- Fostered the growth of this club chartered in 2020 by increasing membership by 200% and diversifying hands-on and community activities

ADDITIONAL SKILLS

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

PROFESSIONAL AFFILIATIONS

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