

JANICE TJAN

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EDUCATION

Massachusetts Institute of Technology (MIT)

CAMBRIDGE, MA

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

Graduation: May 2022 | GPA: 4.4/5.0

Relevant Coursework: Visual Communication, Interaction Design

EXPERIENCE

MX3D

AMSTERDAM, NL

Jul '22 - Present

Designer

- Designing the company exhibition for a critical additive manufacturing conference, FormNext '22, from the ground-up.
- Conveying cutting-edge metal 3D-printing technology's value and a cohesive company identity through content creation and persuasive messaging
- Creating and documenting new workflows for exhibition planning and content creation

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 microfluidic platform.

LEADERSHIP

MIT Educational Studies Program (ESP)

Sept '18 - May '22

ESPider Director (Website Project Manager)

Dec 19' - May '22

- 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

Feb '20 - May '22

Chair

Jan '21 - Jan '22

- Organized sprints and pushed initiatives themed around diversity and entrepreneurship for the student-led lab
- 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.
- Created a visual identity and contributed to the creation of platforms that aligned with the club identity.

ADDITIONAL SKILLS

- **Visual Communication:** Adobe Creative Suite
- **CAD+Render:** Rhino, Solidworks, Fusion360, Blender
- **Coding:** MATLAB, HTML, Python, Java

PROFESSIONAL AFFILIATIONS

- GOALS for Girls at Intrepid Sea, Air & Space Museum
- MIT Women's Initiative