Jasmine J. Chen

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Education

- **Massachusetts Institute of Technology** *May 2024*
  B.S. in Computation and Cognition, Minor in Design GPA: 4.7

Experience

- **MIT Media Lab, Fluid Interfaces** *Sept. 2023 - Jan. 2024*
  Research Assistant Cambridge, MA
  – Collected and tested potential interfaces for a passive wearable anxiety monitoring device
  – Developed a research proposal for closed-loop, personalized affective touch therapy via interoceptive devices
- **Eli Lilly and Company** *May 2023 - Aug. 2023*
  Digital Health Research Intern Cambridge, MA
  – Developed ML and threshold-based features-based fall detection systems using datasets of real-world/simulated falls
  – Fine-tuned existing accelerometer algorithms and created ensemble model to be used for Parkinson's studies
- **MIT Sloan Information Technology Lab** *June 2022 - Sept. 2022*
  Research Assistant Cambridge, MA
  – Built and managed end-to-end implementation of a virtual public goods game (PGG) experiment using Empirica.js
  – Used adaptive experimentation to compare the effect of different parameters (group size, punishment) on cooperation
- **MIT Media Lab, Affective Computing** *March 2022 - Sept. 2022*
  Research Assistant Cambridge, MA
  – Wrote Python and R scripts to simultaneously reformat relevant actigraphy data and calibrate sensor measurements
  – Processed and analyzed longitudinal MGH human sleep and activity data to search for depression biomarkers
- **Msaada Partners** *May 2021 - Aug. 2021*
  Entrepreneurship Consultant Boston, MA
  – Consulted on research and development projects for a portfolio of four different companies from The Majira Project
  – Wrote a grant proposal and pitched opportunity areas and locations for future Majira Project sourcing pipeline
- **MIT Environmental Solutions Initiative** *Sept. 2020 - June 2021*
  Rapid Response Group Fellow Cambridge, MA
  – Tackled environment and climate policy in working subgroups partnering with academic/independent organizations
  – Collaborated on white papers reforming MIT's endowment investment framework and presented to MIT administration
- **Kavli Institute for Brain and Mind** *Jan. 2019 - March 2020*
  Research Assistant La Jolla, CA
  – Recorded Drosophila responses to visual stimuli in order to establish inhibition of mating on neural escape network
  – Maintained fly environment with different GF and LC4 activations to isolate suppression site of pathway

Projects/Other

- **MIT Entrepreneurship and Maker Skills Integrator (MEMSI)** *Jan. 2024*
  2024 Cohort
  – Participated in intensive 2-week entrepreneurship bootcamp in Hong Kong to develop smart airport solutions
  – Collaborated on digital connectivity project and presented to judges at global hackathon
- **EECS Teaching Staff** *Jan. 2022 - Jan. 2023*
  Lab Assistant
  – Provide general help and problem set guidance during office hours for Intro to Computational Thinking and Data Science
  – Worked with course staff to improve problem sets, solutions, and guidelines for students' learning experience
- **MIT Sandbox** *Jan. 2021 - Sept. 2021*
  Environmental Cost Label Project, Co-lead/Co-founder
  – Awarded MIT Sandbox mentorship and funding grant for a sustainability innovation on an environmental cost label
  – Co-led effort as a spinoff from research project to pursue corporate partnership opportunities

Technical Skills

Languages: Python, Javascript, C, R, Processing
Frameworks: Pytorch, Tensorflow
Libraries: Pandas, NumPy, Matplotlib, Seaborn, SciPy, React
Design Software: Fusion 360, Rhino, Adobe Suite (Photoshop, Illustrator, InDesign)