

Jeremy Fu

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Education

Northwestern University

Sept 2020 – March 2022

M.S. Engineering Design Innovation

Northwestern University

Sept 2016 – Jun 2020

B.S. Mechanical Engineering, Manufacturing and Design Engineering

Major GPA: 3.43 / 4.0 | Cumulative GPA: 3.20 / 4.00

Work Experience

Bossa Nova Robotics Hardware Engineering Intern

June 2019 – September 2019

- Hardware and electronics design of scale for use in validation of robot's weight, vertical center of gravity, and horizontal center of gravity for manufacturing quality checks
- Designed and fabricated fixtures for to increase accuracy and precision of foam sealer placement in assembly of next-generation robots

Paxion Capital FP&A Intern

June – September 2017, June – September 2018

- Gained insight into the intersection between business and technology looking at seed and middle market investments in technology, real estate, and retail companies
- Developed diligence and financial models to guide acquisition and investment decisions

Project

Shedd Aquarium of Chicago MaDE Capstone: Project Manager

January – June 2019

- Engineered modular tank to hold the Portuguese Man O' War by directing water flow and wind currents to keep the animal off tank walls while allowing for natural movement
- Simulated flow analysis to optimize water conditions and pump load

Stanford University, Department of Genetics, Li Lab Coauthor

June 2015 – October 2017

- Conducted independent research on the effects of divergent microclimates on regulation of gene expression RNA editing in *Drosophila*, developed experimental procedure utilizing CRISPR and Cas9 protocols
- Paper accepted into Nature Communications: *Regulation of gene expression and RNA editing in Drosophila adapting to divergent microclimates*

NASA Ames, Human Factors Research and Technology Research Intern

September 2014 – June 2015

- Researched the human autonomic system through the development of AFTE, a physiological operant conditioning program, to improve astronaut performance on descent of the Orion Spacecraft
- Created controlled testing environment for rotary chair test, entrance and exit surveys for study participants.

Leadership

Northwestern University Peer Adviser

- Weekly adviser for group of 12 first-year engineering students
- Facilitating dialogue on diversity, inclusion, academics, and mental health

Lambda Chi Alpha, Northwestern Chapter President

- Led fraternity operations of 70 members, directed and guided vision for board of 16 officers
- Oversaw yoy growth of 64%, highest in 4 years, when overall fraternity recruitment declined 23%.