Justin Steinberg

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Skills

Love Working With: Python, JavaScript, HTML, CSS, Figma
Experienced With: MATLAB, CAD, Java, Research, Data Analysis, Git
Interested In: HCI, Cybernetics, Rockwall Climbing, Skiing, UX/UI, Entrepreneurship

Education

Northeastern University, Khoury College: Class of 2024 | Masters: Computer Science | UX Design Certificate

Tufts University, School of Engineering: Class of 2020 | Major: Engineering Physics | Minor: Mathematics

Professional Experience

Systems Engineer – Raytheon Technologies | August, 2020- July 2022

- Developed and instructed new internal MATLAB curriculum to Raytheon Employees.
- Excellent research and investigative skills: designed and implemented novel Kalman Filtering Algorithm.
- Investigated and documented PATRIOT processing to guide New Hires in learning complex radar infrastructure.
- Experience with Git, Object Oriented Programming (OOP), State Estimation, Data Analysis, and Statistics.

Engineering Intern – VirtualAPT | Summer 2017, Summer 2018, Summer 2020

- Designed real-time tracking algorithm allowing for a robot with LiDAR to track an operator in open spaces. Experience with Robot Operating System (ROS), Linux, Python, and C++.
- Designed and developed proprietary GUI for in-house video uploading. Experience in using Python, Git, Amazon Web Services (AWS), and Matplotlib.

Product Development Intern, Fluid Metering Inc. | Summer 2019

- Researched, designed, and fabricated Stepper Motor Control box. Involved Arduino prototyping, CAD, 3D printing, testing, and PCB design.

Research and Engineering

Northeastern University, UbiWell Lab | Current – Summer 2023

- Currently working as a Research assistant at Northeastern's UbiWell lab. I am actively involved in a medication adherence research study. Under the guidance of a PhD student, I contribute to various aspects of the study including recruitment, data collection, and product development.

Columbia University, New York | Summer 2014, Summer 2015

- Researched and designed renewable energy models using MATLAB, HOMER, DEEP, and ARCgis programs. Supported National Science Foundation Graduate Research Fellow with research into renewable-powered seawater desalination plants.

Activities

Jewish Student Union (JSU) Secretary | 2023-Present

Tufts University Ski Team | 2016-2020

Co-Founder - No Pet Goes Unfed Inc. | 2012-Present