

Sawyer B. Paccione

(646) 633-6361 | sawyer.paccione@tufts.edu | [linkedin.com/in/sawyerpaccione](https://www.linkedin.com/in/sawyerpaccione) | github.com/paccionesawyer

EDUCATION

Tufts University

Medford, MA

B.S. Mechanical Engineering, B.S. Mathematics, Minor Computer Science

Aug. 2018 – May 2022

- CUMULATIVE GPA: 3.90
- RELEVANT COURSEWORK: Advanced Robotics, Control of Dynamic Systems, Numerical Analysis
- DEAN'S LIST: Fall 2018 – Present
- Undergraduate Researcher at Tufts CEEO

WORK EXPERIENCE

Undergraduate Intern

May 2021 – August 2021

Fetlab - PTC

Medford, MA

- Led a team in successfully creating an Augmented Reality Interface for a Lego SPIKE PRIME using the PTC Vuforia Spatial Edge Server and Toolbox run on a Raspberry Pi.
- Developed a standard of communicating using MQTT between a WiFi enabled micro-controller and the PTC Vuforia Spatial Edge Server.
- Created a program to convert a 3D STL file to a list of xyz Coordinates.

Advanced Robotics Teaching Assistant

August 2021 – Present

Department of Mechanical Engineering - Tufts University

Medford, MA

- Created a 'Getting Started' sheet for the electrical components in the classes' kit.
- Fabricated a wooden brachiation rig for the classes' final project.

Residential Assistant

August 2019 – Present

Office of Residential Life & Learning – Tufts University

Medford, MA

- Interact and connect with residents from a variety of backgrounds to ensure they are adjusting well to new living environments and classes.
- Work with Co-Residential Assistants to execute creative programs, fostering student development politically, socially, and culturally.

Data Structures Teaching Assistant

January 2020 – May 2020

Department of Computer Science – Tufts University

Medford, MA

- Guided students through homework and lab assignments during bi-weekly office hours.
- Guide a laboratory section of 27 students by lecturing on important concepts and tools.

Assistant Engineer – Intern

May 2019 – August 2019

SBI Consultants

New York, NY

- Verified medical equipment specifications matched Architectural, Structural, and MEP drawings plans for White Plains Hospital Development.
- Audited subcontractor's Notifications of Change to ensure price changes were supported by alterations in the drawings.

EXTRACURRICULAR ACTIVITIES

Tau Beta Pi Engineering Honor Society ◦ Tufts Mountain Club ◦ Tufts MAKE ◦ Tufts Rec. Squash

SKILLS

Technical: C++, Python, MATLAB, L^AT_EX, Solidworks, COMSOL, Bluebeam Revu, Web Programming

Soft: Intellectual Curiosity, Communication, Diligence, Resilience, Punctuality