

EDUCATION

Columbia University

B.A. in Computer Science | GPA: 3.90/4.00 | ACT 35

- Relevant Coursework: Parallel Optimization for Robotics, Computer Architecture, Advanced Programming in C, Artificial Intelligence, Linear Algebra for ML
- OpenVest Spring 2024 SWE Internship at FinTech startup (Columbia Business School)
- Transferred from Tufts University School of Engineering

New York, NY

2023 – 2025

SKILLS AND TECHNOLOGIES

Languages: Python, C, C++, PHP, HTML, CSS

Technologies: Flask, Docker, ROS1/ROS2, Arduino

Cloud/DevOps: Azure DevOps, AWS, GCP

Tools: Fusion 360, Git, Fabrication (Woodworking, 3D Printing, Welding)

EXPERIENCE

SmartEd Systems, LLC

Software Engineering Intern

- Enhanced Security with MFA:** Integrated Google, Microsoft, and Email Multi-factor Authentication (MFA) for 3 school districts, improving login security and compliance.
- Streamlined User Experience with SSO:** Implemented PowerSchool Single Sign-On (SSO) using PHP and JavaScript, reducing login friction for 400+ users and increasing system adoption.
- Secured New Clients through Canvas LTI Integration:** Developed Canvas LTI 1.3 integration (OAuth & OIDC) for SES PHP web app, leading to a district-wide contract based on feature demand.

Remote

Jun. 2024 – Aug. 2024

Innovations Health Devices, LLC

Product Manager

- Led Product Development of Kinoped Medical Robot:** Directed a cross-functional team of 10 engineers, delivering a fully functional prototype within 10 months. (Visual Link | Google Drive Link)
- Optimized Resource Management:** Managed development sprints, monthly budgets, and mitigated project setbacks while maintaining team motivation under tight financial constraints.

Citrus Heights, CA

Feb. 2021 – Aug. 2022

Software Engineering Intern

- Developed Robotic Control Software:** Built a robotic simulation and control system using ROS1, Gazebo, C++, and Python, enhancing robotic functionality and testing.
- Contributed to Medical Device Designs:** Provided technical input on machine designs, creating detailed technical documentation and performing simulations using MATLAB and Fusion360.

May 2020 - Sep. 2020

PROJECTS

- MultiPlaylists - Jan. 2023:** Developed a cross-platform music player app integrating Spotify and SoundCloud for playlist creation using SwiftUI, Combine, Spotify SDK, and SoundCloud API.
- Jump Scheduler - Sep. 2022:** Built a web-based course scheduling platform for middle schools using Flask, AWS Elastic Beanstalk, and Stripe for payment processing.