

Sebastian Baldini

Worcester, MA, 01609 | (603) 321-1577 | sebastian.baldini@outlook.com
linkedin.com/in/sebastian-baldini | Github.com/somguynamedseb | SebastianBaldini.com

Objective

I am a Robotics Engineering major and Computer Science Minor in my Junior Year of my undergraduate degree at Worcester Polytechnic Institute looking for a summer internship.

Education

Worcester Polytechnic Institute | Bachelor of Science | Graduating 2025:

Robotics Engineering Major | Computer Science Minor | 3.5 GPA

Worcester Polytechnic Institute | Candidate for Master of Science in Robotics

Professional Experience

Undergrad Research Assistant, Robotic Materials Group: Aug 2024 -> Current

- Lead undergrad researcher on novel encoding utilizing multi-material FDM printing
- Working with PhD student to write research paper for soft robotic journal

Full Stack Developer, Computer Vision Server Plugin: Jan 2024 -> Current

- Working with an alum of my fraternity to integrate facial recognition into our photo server.
- Designing backend to recognize the individual members and tag photos based on who's in them
- Building frontend and UI to make plugin easy to use to minimize server downtime

Intern Production Assistant, Millenium Slate: May 2022 -> Aug 2022

- Operated and assisted in prototyping new industrial production lines
 - Assisted in PLC debugging and FANUC robotic arm programming
-

Skills

Programming Languages: C++, C, Python, Java, Rust, MATLAB, HTML, CSS

Software: Solidworks Associate, Fusion 360, EAGLE PCB, ABB Robot Studio, Figma

Class Experience: Computer Vision, Industrial Robotics, Soft Robotics, Software Development, Controls

Class and Personal Project

Face Following Webcam: December 2023 -> Current

- Creating a custom solution to motorize a camera to track a user's face
- Utilizing OpenCV and Ultralytics video processing and object detection algorithms

Team Lead, Intro AI Class Project Oct 2023 -> December 2023

- Lead my team in the development of a lecture attendance tracking software using computer vision

Custom Brushless Motor Controller Jan 2021 -> May 2021

- Worked with former classmates to research and assemble a custom brushless motor controller
 - Custom Arduino code and breadboard wiring
-

Leadership

Alpha Phi Omega: Merit Badge University Chair and Omega Head of House: May 2023- Dec 2023

- Organized a 2-day event with over 100 Boy Scouts coming from off campus to receive Merit Badges

Phi Kappa Theta: Brother and Interim Social Chair: Aug 2023 - Current

- Assisting in the planning and development of inter-fraternity events and assisting other positions with philanthropy event planning.