

Sebastian Baldini

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Objective: I am a Robotics Engineering student looking for a summer internship position.

Education

Worcester Polytechnic Institute (WPI), Worcester, MA

Bachelor of Science in Computer Science, GPA 3.4 Graduating May 2025

Skills:

Technical Skills: Circuits and Sensor Integration and Programming, C++, Java, Rust, Python, MATLAB

Software: Solidworks (CSWA certified), Fusion 360, Onshape, Simulink, MultiSim, Linux

Experience:

WPI Robotics Materials Group: August 2023 -> Present:

- Developing new soft robotics technology involving multi-material FDM 3D printing
- Researching new elastomeric materials for soft robotics applications with SLA printing

Millennium/Evergreen Slate: Intern Production Manager, Granville NY: May 2022 -> August 2022

- Managed the loading and unloading of production lines involving CNC lasers and FANUC robotic systems
- Diagnosed and repaired bugs in code and sensor issues to improve the efficiency and uptime of production
- Developed production lines from their prototype phase into full production decreasing the number of required operators, time per cycle, and downtime of the entire line

Activities/Leadership

Omega Head of House, MBU Exec Chair: APO Omicron Iota Chapter: January 2023 -> Present

- Leading the organization of WPI's Merit Badge University in partnership with the Boy Scouts of America which will have an attendance of around 130 scouts

Control Systems Designer: Jet engine project: March 2023 -> Present

- Assisted in development of current control system for Wren 75 jet engine

Program Development Assistant: Makerspace Program Development: July 2023 -> Present

- Currently in talks with the head of the WPI Makerspace to improve the accessibility of Makerspace programs

Projects

User Interface and Program Design for Brigham and Womens Hospital March 2023 -> May 2023

- Lead UI design and development on a 10 person team for a Kiosk application
- Developed Novel API implementations to improve the user experience

Additional Related Courses: CS 4341: Introduction to Artificial Intelligence, RBE 4815 Industrial Robotics,