

Jeremiah J. Ondrasik

Computer Science Major

Penn State University – Class of 2027

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Education

- Penn State College of Engineering Bachelors (Summer 2023 – Current)
- SolidWorks Professionals & Associates Certification (2020)
- American Red Cross CPR Certification (2022 – Current)
- Grassroots Soccer Referee Certification (2018 – 2021)

Work Experience

- Barton Associates Mechanical Engineer Intern (Aug 2022 – Current)
 - Design mechanical and electric infrastructure for buildings using Revit and AutoCAD
- YMCA Swim Instructor (May 2022 – Current)
 - Teach student(s) basic swim strokes and coordinate lesson times with parents
- Weis Markets Stocker (Jan 2022 – Current)
 - Unpack merchandise, load / unload trucks, and delegate tasks to other associates
- Green With Envy Lawn care Grounds Maintenance (Summer of 2022)
- CPYSL Grassroots Soccer Referee (2018 – 2021)

Skills

- Proficient in:
 - VS Code (C++, Python, PyTorch), Arduino IDE
 - Fusion 360, OnShape, SolidWorks, Revit 2018-2023, AutoCAD 2018
 - 3D printing, Soldering, Low Voltage Electrical (Raspberry Pi, Arduino, RoboRio), and basic metal / wood Fabrication
- Experienced with commutation and work delegation (Slack, Microsoft Teams, Discord)

Clubs

- Ri3D (Mechanical Systems Team Leader) (2023 – Current)
- UAV (Algorithm Developer) (2023 – Current)
- PSU Robotics (Systems Designer) (2023 – Current)
- Penn State Bowling Team (2023 – Current)
- CC4H FIRST Robotics Team (Electrician & Mechanical Systems Team Leader) (2021 – 2023)
- Bellefonte Varsity Soccer (2021 – 2023)
- National Honors Society (2023)
- Dallastown VEX Robotics Team (2019 – 2020)

Personal STEM Projects

- DIY First Person View Drone
 - Hardware / Software Integration
- Shift Register Display
 - Low Voltage Circuit Design & C++ programing
- Robotic Arm with Electromagnet Gripper
 - Fusion 360, Low Voltage Circuit Design, & C++ programing
- Electric Longboard
 - High Voltage Circuit Design, Mechanical System Design, & Hardware / Software Integration)