

Steven Klinefelter

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Education

Elizabethtown College

August 2021 – April 2025

BS in Engineering with Concentration in Mechatronics (GPA: 3.11)

Elizabethtown PA

Experience

Undergraduate Researcher

May 2023 – August 2023

Elizabethtown College

Elizabethtown, PA

- Applied deep learning technologies to JayRadar
- Presented and demonstrated our co-processor program

Information Technology Intern

May 2018 – August 2020

Palmyra Area High School

Palmyra, PA

- Re-imaged Mac Book's and windows computers
- Updated and edited the image that was put on the windows computers.

Projects

OmniPi

August 2023 – December 2023

- Won second place in Etown CS Club's Coding Competition
- Built an omnidirection robot using a Raspberry Pi and dc motors.
- Programmed a web interface implementing AI technology

JayRadar

May 2023 – August 2023

- Tested and analyzed the accuracy of custom trained AI models.
- Created a co-processor agnostic vision program for the FIRST Robotics Competition
- Profiled and refined python code for optimized resource consumption

Plumbing Trainer

January 2023 – May 2023

- Built a teaching aid used to introduce students to the trade of plumbing.
- Received an award for Recognition of Excellence and Professional Potential
- Modeled the entire project in Autodesk Inventor.

Skills

Programming: Python, C, MATLAB, Java, JavaScript, React

3D Modeling: Autodesk Inventor, OnShape, Solidworks

Fabrication: 3D Printing, Lazer Cutting, Plasma Cutting, Soldering

Activities

Etown RMI Club President: Organized and facilitated competitions and workshops to help introduce students to the fields of Robotics and Machine Intelligence.

FIRST Robotics Competition: Programmed award winning autonomous programs for team 2539 in 2020. In 2021, our team placed in the top 7 teams world-wide in part due to these programs and our autonomous routines.