Steven Klinefelter

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Education

Elizabethtown College August 2021 – April 2025
BS in Engineering with Concentration in Mechatronics (GPA: 3.11) *Elizabethtownm 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

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

JayRadar

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

Plumbing Trainer

- Built a teaching aid used to introduce students to the trade of plumbing.
- Received an award for Recognition of Excellence and Professional Potential.
- Inspired an article in Contractors Magazine.

Activities

Etown RMI Club President

- Secured donations from local businesses to fund workshops and events.
- Organized events relating to the fields of Robotics and Machine Intelligence.
- Hosted competitions encouraging students to explore individual projects.

FIRST Robotics Competition

- Programmed award winning autonomous programs and routines.
- Debugged Linux systems and python programs.
- Contributed to placing in the top 7 teams world wide and winning our division.

Skills

Programming: Python, C, MATLAB, Java, JavaScript, React
3D Modeling: Autodesk Inventor, OnShape, Solidworks
Fabrication: 3D Printing, Laser Cutting, Plasma Cutting, Soldering