Steven Klinefelter

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Education

2021 - 2025   **BS in Engineering with concentration in Mechatronics**
Elizabethtown College, Elizabethtown, PA
Graduating 2025, *Current GPA: 3.11*

Experience

2018 - 2020   **Information Technology Intern**
Palmyra High School
Re-imaged Mac Book's and windows computers.
Updated and edited the image that was put on the windows computers.

Summer 2023   **Undergraduate Researcher**
Elizabethtown College
Applied deep learning technologies to JayRadar.
Presented and demonstrated our co-processor program.

Projects

- **OmniPi** (Fall 2023 - Present): As a personal project I've been building a mecanum car using a raspberry pi and dc motors. It was originally a coding challenge entry for the Etown College CS Club.

- **JayRadar** (Summer 2023): A summer research project inspired by my time competing in FIRST Robotics Competitions. Using Yolov8, a re-trainable PyTorch model, we aimed to successfully built a budget vision co-processor that can provide position information about almost any object with a significant data set.

- **Plumbing Trainer** (Spring 2023): A Community Based Projects Class project where we built a budget plumbing trainer for the local Etown High School. Our project has since been written about in Contractor Magazine, and implemented in the High School. curriculum.

Skills

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

Hobbies

- **FIRST Robotics Competition:** Programmed award winning autonomous programs.
- **Etown RMI Club President:** Working to return Etown to Robotics Competitions.