

Ao (Eric) Yang

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EDUCATION

Littleton High School

GPA: 4.0, Coursework: Trigonometry/Pre-Calculus, AP Calculus BC and AP Physics 2

Littleton CO

Expected: May 2026

EPIC Campus (Career and Technical Education)

Coursework: Pi's and Python, Data Structures and Algorithms, Computer Technician, Foundations of Unix, Linux Administrator, Design for CNC Machining and 3D Printing

PROJECTS

Plant Cam

- The project was building an Environmental Surveillance Machine with Video Recording, Temperature, Soil Moisture, and Humidity Measuring capabilities.
- Built using a Raspberry Pi computer with Pi modules and Adafruit Modules.
- Coded in Python and BASH, the Video was live-streamed to a front-end website.

EPIC Campus
December 2023

Custom Linux Distribution

- I attempted building a custom version of Linux from the Linux From Scratch project.

EPIC Campus
Spring 2025

LEADERSHIP

Cyberpatriot Team Captain

- Effective communication with team members to plan consistent practice sessions.
- Socializing and getting to know all team members for a fun collaborative experience.

USAF CyberPatriot
October 2024 –
December, 2024

EPIC Campus Student Lead

- Guiding and assisting in campus tours for industry partners and general guests.
- Volunteering and helping organize campus showcases or events.

EPIC Campus
May 2025 –
Present

VOLUNTEER WORK

Colorado Lunar New Year Celebration, Event Guide/Volunteer

- Directing event attendees on special events and locations of fun booths. Also assisting vendors with transactions and interacting with customers.

Denver Chinese School
February 2024

Hour of Code, Virtual Welding Station Volunteer

- Creating a fun and safe environment for elementary/middle schoolers to experience while also handling industry-grade equipment.

EPIC Campus
January 2025

AWARDS/CERTIFICATIONS and SKILLS

NASA Student Contractor

3D Designing and Manufacturing of a Tab component of a Cube Satellite Deployer.

NASA HUNCH
February 2025 – Present

84th Finish Nationally in PicoCTF

Carnegie Mellon University
Spring 2025

Programming Languages and Operating Systems:

BASH (1 year), Python (1 year), HTML(3 Months), Currently Learning: C#, SQL, and Powershell.
Linux (Ubuntu and Fedora) and Windows.

Software and Programs:

Visual Studio Code, Github, Google Suite, LLM AI (Ollama), 3D CAD and CAM Software (Solidworks and Fusion 360)

Other: Bilingual Fluency in both English and Mandarin.