

Cheng-En Lee

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EDUCATION

Purdue University

Present

GPA: 4.0 / 4.0

Kang Chiao International School

Jun 2023

GPA: 4.3 / 4.8

RELEVANT COURSEWORK

Grades: Exclusively AP Scores of 5/5 on all listed, completed courses

Courses: AP Computer Science A, AP Calculus BC, AP Physics C Mechanics, AP Physics C Electricity and Magnetism

Awards: Fall 2023 Dean's List and Semester Honors. AP Scholar with Distinction, AP Scholar with Honor, 2022-2023 VEX V5 Taiwan Open Competition Build Award, 2022-2023 VEX V5 Taiwan Open Competition Amaze Award, EC-Council Certified Ethical Hacker Certification, Mayor's Award in New Taipei City.

SKILLS

Languages: C/C++, Java, Python, Bash, JavaScript, HTML/CSS

Technologies: Git/GitHub, Django, React.js, Electron, Firebase, PostgreSQL, Docker

PROJECTS

OpenTeam team management application | *Javascript, React.js, Firebase, Git*

Dec 2023 – Present

- Developed a team management web application aiming to help developers connect, brainstorm, and discuss as a team
- Created a teaming system with different permission settings, real time task management interface, and real time discussions interface
- Included repository statistics to track contributions and work progress

Pathtracker Online | *Javascript, React.js, Git*

Feb 2023 – Dec 2023

- Created a online robot simulator for VEX Robotics Competition to simulate path following behavior, aiming to boost autonomous code development process for teams.
- Developed an method to accurately model robot position, velocity, acceleration, and jerk
- Implemented multiple path generation and path following algorithms for simulation, and designed a method to conveniently export simulation data for faster integration

EXPERIENCE

B01lers Capture The Flag Team | *Member*

Aug 2023 – Present

Participated in the Capture the flag team as a member in Purdue University, which is currently ranked 7th in national standings

Purdue Robomaster Club | *Algorithm team developer*

Aug 2023 – Present

Participated in the algorithm team of the Purdue Robomasters club, which is responsible for developing computer vision, auto aiming, and auto navigagion pipelines.

The Data Mine, Purdue University, West Lafayette, IN | *Undergraduate Data Engineer*

Aug 2023 – Apr 2024

Collaborated with Knudsen Institute on analyzing trends in supply chains on industrial parts procurement in the automotive industry, and trained to use R and Python to perform time series analysis and interact with multiple databases

EC-Council Certified Ethical Hacker Training | *Participant*

Jun 2022

Participated in EC-Council's Certified Ethical Hacker training program, and passed the certification exam