

# Cheng-En Lee

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## EDUCATION

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**Purdue University**

Present

GPA: 3.97 / 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

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

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

## PROJECTS

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**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

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**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