

# KAYDEN VU

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## EDUCATION

### California State University Fullerton, Fullerton, CA

*B.S. Computer Science (Cybersecurity Concentration), B.A. Mathematics, August 2021 - Present*

- Graduation Date: May 2026
- Cumulative College GPA: 3.48

### Cypress College, Cypress, CA

*Cybersecurity Program, August 2019 - May 2021*

- Cisco Networking Certificate, Cyber Security Certificate, Cyber Defense Certificate

## Technical Skills

- Certificates: CompTIA ITF+, CompTIA Security+, CompTIA CySA+.
- Languages: Python, Java, C++, C#, SQL, PHP, HTML/CSS, JavaScript, Lua.

## WORK EXPERIENCE

### theCoderSchool, Yorba Linda, CA

*Code Coach, September 2021 – Present*

- Aid students K-12 in creating coding projects Scratch, HTML/CSS/JavaScript, Java, Python, and Unity using C# ranging from beginner to advance knowledge of code and tutoring for AP CSA/CSP preparation

### Anaheim Union High School District, Anaheim, CA

*AIME Mentorship, September 2020 – May 2021*

- Mentored a 7th-grade student by preparing and practicing educational exercises to improve weaker academic areas to raise grades from straight Fs to As and Bs in a semester

## RELEVANT PROJECTS

### Fire & Furious (Unity C#)

- <https://frigidough.itch.io/hall-of-flame> | <https://tinyurl.com/CPSC362Project>
- Software engineering project with a group of 5 students collaborating using Scrum methodology to build a video game in Unity with C# scripting language

### University Database (HTML/CSS/SQL/PHP)

- <https://kaydenvu.github.io/database.html> | <https://github.com/kaydenvu/CPSC332-Project>
- Creating a web page database application using HTML/CSS with PHP queries from a database populated using SQL.

### Secured Chat System (Python/HTML/CSS/JavaScript)

- <https://github.com/kaydenvu/CPSC455-Project1> | <https://chat.kaydenvu.com/>
- Implemented a chat application using websockets, Django framework, and encryption on packets sent and received

### Predicting Taxi Ride Duration (Python)

- <https://tinyurl.com/DSProjectKaydenVu>
- Data science project using Pandas and Numpy libraries analyzing data from a New York mapping set with linear regression to predict taxi rides using different variables.

### Matching Cards (HTML/CSS/JavaScript)

- <https://kaydenvu.github.io/matchingGame.html>
- Using HTML elements and CSS layouts for a card game with JavaScript to add listeners and interactivity in a webpage.

## LEADERSHIP EXPERIENCES & ACTIVITIES

### Titan Rover, Fullerton, CA

*Autonomous & UI Team, September 2023 – December 2023*

- Collaborated with a team of students to explore various pathing algorithms for autonomous rover navigation.
- Contributed to the development and testing of pathing algorithms to enhance the rover's autonomous capabilities.

### Engineering Ambassadors Network (EAN) Program, Fullerton, CA

*Engineering Ambassador, September 2021 – December 2022*

- One of fifteen students selected for the program out of the ECS department
- Participated in national training conference creating a presentation on any chosen STEM application to present online to approximately 5 other universities in the program
- Served as Social Media Coordinator since April 2022, outreaching to ECS students about the program with both publicity online and in-person tabling

### NextFlex, San Jose, CA

*FlexFactor National Finalist, February 2021 – June 2021*

- One of sixteen students selected from among 1128 candidates for national finals
- Presented an innovation incorporating FHE technology to an audience of representatives from Boeing, NASA, NextFlex