

## EDUCATION

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**California State University, Sacramento | B.S. Degree in Computer Engineering** **2016 – 2020**

- GPA: 3.340

## TECHNICAL SKILLS

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- **Software:** Microsoft Office, Adobe Dreamweaver, Adobe Photoshop, Microsoft Visio, Cadence PSpice
  - **Languages:** HTML, CSS, Java, C, Python, JavaScript, Verilog, SQL

## EXPERIENCE

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**California Victim Compensation Board (via University Enterprises, Inc.)** **July 2019 – April 2021**  
*IT Student Assistant*

- Managed content and functionality as interim Webmaster for intranet, extranet, and internet websites
- Administrative duties managing user accounts within in-house applications
- Assisted with the deployment and maintenance of hardware such as desktops, telephones, printers, and fax machines
- Provided helpdesk support to users via email, phone, in-person, and Track-It! ticketing system
- Drafted and proofread PDF forms and documentation for accessibility according to WCAG

## PROJECTS

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### Semi-Autonomous Gas Analysis Tool (2020)

- Collaborated with a group to prototype a user-controlled robot that periodically measures its surroundings for hazardous gases
- Wrote C++ and Python code to parse and store sensor data into a CSV file from Arduino to Raspberry Pi
- Programmed a Python web server using Flask-SocketIO to transmit near real-time sensor data and camera feed to a web-based UI via HTTP and WebSocket

### CSUS Commuter App (2020)

- Developed a web application using HTML, CSS, and JavaScript to recommend Sacramento State visitors and commuters transportation options based on user priority ranking of time, money, and sustainability
- Oversaw the development of the application by ensuring project deadlines were met and by assisting team members with debugging
- Designed JavaScript algorithm to determine the most suitable method of transportation based on user input of priority and other relevant information

### EcoSense (HackDavis 2018)

- Programmed a Raspberry Pi that utilizes color detection and weather data to efficiently maintain a lawn
- Obtains weather data using Weather Underground API and evaluates current conditions to make an adequate decision