

Aiden Szeto

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Education

University of California, Los Angeles

Los Angeles, CA

B.S. IN COMPUTER ENGINEERING

Graduating Jun. 2023

- Relevant Coursework: Introduction to Computer Science, Multivariable Calculus
- Activities and Awards: Sacramento Water Works Scholarship (2020-2021), ACM, IEEE

Folsom High School

Folsom, CA

HIGH SCHOOL DIPLOMA, GPA: 4.56/4.00

Graduated May. 2020

- Relevant Coursework: AP Computer Science, AP Calculus BC, AP Physics, PLTW Principles of Engineering
- Activities and Awards: PTSA Scholarship, SkillsUSA Chapter Excellence Award, UNICEF Club Vice-President

Experience

VHomes | Technical Lead

May. 2020 - Present

NODE.JS, REACT, EXPRESS, MONGODB, PYTHON, AWS

- Garnered 25+ users and \$35,000 in investments by developing an application prototype with Node.js
- Spearheaded technical development by managing product goals within a team of 8 engineers and designers
- Optimized market research by more than 50% with Python analytics scripts in conjunction with Zillow API

UCLA Micro and Nano Manufacturing Lab | Researcher

Oct. 2020 - Present

NODE.JS, REACT, LOOPBACK, MYSQL, DOCKER

- Automated database model updates for uploaded files, improving file-sharing protocol efficiency by 100%
- Revamped system usability by implementing conditionally rendered icons to signify information fetch
- Optimized application scalability, while maintaining full functionality, using deployable Docker containers

ELFIN CubeSat | Software Developer

Oct. 2020 - Present

PYTHON, MYSQL, QT DESIGNER, MATLAB

- Centralized refresh functionality of the satellite operations planner to improve script scheduling procedure
- Improved the Knudsen antenna uplink constraint checker by automating intent scheduling regulations

Projects

Spotif.ai

Jun. 2020 - Present

MONGODB, EXPRESS, REACT, NODE.JS, PYTHON, RESTFUL APIs

- Utilized Microsoft Cognitive Services API to recommend a Spotify playlist based on a user's detected emotion
- Designed algorithm to create and store correlation data between user happiness and track danceability/energy

QRowd

Aug. 2020

MONGODB, FLASK, JAVASCRIPT, HTML/CSS, RESTFUL APIs

- Built data visualization feature that parses user data to create contact tracing maps and predict Covid-19 spread
- Implemented Flask routes to connect user QR code scanning with the corresponding location ID database entry

Sun-Tracking Solar Panel

May. 2020

ARDUINO, C (PROGRAMMING LANGUAGE)

- Implemented Arduino to adjust servo motor values based on differences in readings between opposing photoresistors
- Modeled and constructed single-axis tracking stand that can be scaled to real-world solar energy plants

Skills

Programming Python, C/C++, Java, Javascript, HTML/CSS, SQL, MongoDB, Express, React, Node.js, Flask, REST APIs

Technologies Git, Linux, AWS, Scrum, Agile, Microsoft Azure, Adobe Creative Cloud, Autodesk Inventor

Entrepreneurial Startup Businesses, Market Analysis, Cohort Retention, Creative Marketing, Product Management