

Aiden Szeto

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Education

University of California, Los Angeles

B.S. IN COMPUTER ENGINEERING

Los Angeles, CA

Graduating Jun. 2023

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

Folsom High School

HIGH SCHOOL DIPLOMA, GPA: 4.56/4.00

Folsom, CA

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 | Software Engineer

May. 2020 - Present

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

- Built backend REST API to power account authentication, roommate scoring, and user/location matching
- Developed more than 15 responsive design front-end components with React - vhomesgroup.com
- Linked frontend and backend to create first website prototype that earned over \$30,000 from investors
- Utilized Zillow API to analyze effects of Covid-19 on US housing markets and recommended 10 new rental locations

VHomes | Engineering Manager

Sep. 2020 - Present

NOTION, SCRUM, GIT, AWS

- Guided product management timeline by delegating web development tasks to 8 engineers and designers
- Deployed first version of web application on AWS EC2 and increased traffic from 0 to 6 monthly users
- Successfully converted 5,000 lines of code from Flask to Node.js while maintaining 100% website functionality
- Lead weekly scrum meetings virtually to engage constructive feedback and reinforce team goals

Grapevine | Engineering Intern

Jun. 2020 - Sep. 2020

HTML/CSS, GIT, ADOBE PHOTOSHOP

- Organized user ambassador program to localize beta tester population and improved cohort retention by 25%
- Designed, hosted, and deployed company splash page that brought in 20 new beta testers - teamgrapevine.com
- Wire-framed 15+ social media advertisements to drive digital marketing strategy within specified user-groups

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, RESTful APIs
Technologies	Git, Linux, Arduino, Scrum, Notion, Microsoft Azure, Adobe Photoshop, Autodesk Inventor
Entrepreneurial	Startup Businesses, Market Analysis, Cohort Retention, Creative Marketing, Product Management