

Aiden Szeto

916-990-3708 | aszeto35@gmail.com | aidenszeto.me | aidenszeto | aidenszeto

Education

University of California, Los Angeles

Graduating Jun. 2024

B.S. COMPUTER ENGINEERING, GPA: 3.71

- Relevant Coursework: Machine Learning, AI, Data Structures and Algorithms, Computer Architecture, Computer Networks
- Achievements: Upsilon Pi Epsilon, Eta Kappa Nu, Dean's Honors | Technical breadth concentrations in EE and management

Experience

NASA | Data Science Intern - drf.nasa.gov

Sep. 2022 - May. 2023

PYTHON, MONGODB, NLTK

- Collaborated with the city of Phoenix to classify over 60,000 places of interest (POI) as flyable or no-fly zones
- Developed Python service to detect trajectory conflicts and notify stakeholders, including data visualization with Google Earth
- Building natural language processing service to classify NOTAM aviation messages for flight operators in real-time

Meta | Software Engineer Intern - about.facebook.com

Jun. 2022 - Sep. 2022

PYTHON, HACK, MERCURIAL, PRESTO

- Architected workstream to de-identify user data ingested into Facebook warehouses, impacting billions of users worldwide
- Built data pipeline to detect missing annotations for sensitive information among database tables amounting to over 200 TB
- Used internal machine learning tools to predict proper data annotations and remediate potential privacy breaches

NASA | Software Engineer Intern - nasa.gov/gateway

Aug. 2021 - Dec. 2021

PYTHON, QT, LINUX, SPLUNK

- Developed UART commanding GUI with PyQt5 to facilitate communication between Modal Propellant Gauging prototype and testing system. Currently being used for tests with Intuitive Machines, LLC.
- Prototyped a live-feed SNMP monitor for the HALO module built with Splunk and presented findings to 50+ team members

ELFIN CubeSat | Software Lead - elfin.igpp.ucla.edu

Oct. 2020 - Present

EMBEDDED C, PYTHON, QT, ZMQ, FREERTOS, SQL

- Led team of 8 software engineers to develop, maintain, and publish software for the 2 most successful CubeSats to date
- Improved science outputs to 1.5 papers per month by implementing electronic particle detector collections at 32 sectors per spin
- Prototyped and simulated end-to-end communications paradigm for UCLA's next NASA-funded CubeSat

CDK Global | Software Engineer Intern - fortellis.io

Jun. 2021 - Sep. 2021

AWS, NODE.JS, REACT, TERRAFORM

- Improved API support on Fortellis Developer Network and Platform, impacting over 150M API transactions per year
- Constructed and deployed serverless Node.js API with AWS Lambda and AWS DynamoDB via Terraform

NomAd | Co-Founder, Chief Technology Officer

May. 2020 - Jan. 2022

AWS, GITHUB, NODE.JS, REACT, MONGODB

- Completed UCLA Anderson Venture Accelerator and raised \$50K pre-seed before being acquired by WISH STR Enterprises
- Directed website development using Agile methodologies and lead team of 8 employees to design, engineer, and market product

Projects

Pearpy - pypi.org/project/pearpy

Participated in MLH Open Source Fellowship to create and publish Python package for writing multithreaded code

Skills

Languages: Python, C, C++, JavaScript, Java, Lisp, Golang, MIPS/x86 assembly, HTML/CSS, SQL

Technologies: Git, Linux, AWS, MongoDB, Google Cloud, React, Node.js, Elasticsearch, Firebase, FreeRTOS, Splunk, Presto, PyPi

Concentrations: Machine learning, embedded systems, computer networks, web development, databases, cloud computing