

# Aiden Szeto

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## Education

**University of California, Los Angeles**

*Graduating Jun. 2024*

**B.S. COMPUTER ENGINEERING, GPA: 3.77**

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

## Experience

**Meta | Software Engineer Intern - [about.facebook.com](#)**

*Jun. 2022 - Sep. 2022*

**PYTHON, HACK**

- 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**

- Provided software support for the Artemis Gateway command and data handling team at Johnson Space Center
- 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*

**C, PYTHON, QT, ZMQ, FREERTOS**

- Led team of 8 software engineers to develop, maintain, and publish software for the 2 most successful CubeSats to date
- Improved science outputs to more than 1.5 papers published per month by leading efforts to implement electronic particle detector collections at 32 sectors per spin
- Prototyped end-to-end communications paradigm for UCLA's next CubeSat with a Python server and SmartFusion2 SoC client

**CDK Global | Software Engineer Intern - [fortellis.io](#)**

*Jun. 2021 - Sep. 2021*

**AWS, NODE.JS, REACT, TERRAFORM**

- Improved one-to-one API support on Fortellis Developer Network and Platform, which supports 150M API transactions per year
- Constructed and published serverless vehicle leasing API with AWS Lambda and DynamoDB via Terraform, implemented API into Fortellis marketplace with Apigee proxy

**NomAd | Co-Founder, Chief Technology Officer**

*May. 2020 - Jan. 2022*

**AGILE, AWS, NODE.JS, REACT, MONGODB, PYTHON**

- 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
- Automated client and server deployments on AWS Elastic Beanstalk and Google Firebase via GitHub workflows

## Projects

**MLH Fellowship: PearPy - [pypi.org/project/pearpy](#)**

**PYTHON, PYPI**

- Collaborated with teammates across the world in MLH Open Source fellowship to create and publish Python package for parallelization
- Developed package test suites and benchmarks that indicated up to 400% runtime improvement when using PearPy

## Skills

**Programming Languages:** C/C++, Python, JavaScript, Git, Linux/Unix, AWS, Node.js, React, Express, MongoDB, Firebase, Flask

**Tools/Technologies:** Java, SQL, HTML/CSS, x86 Assembly, TypeScript, Golang, Google Cloud, FreeRTOS, OpenMP, Loopback

**Learning:** Verilog, Rust, Django, Docker, ZeroMQ, Microsoft Azure