

ERIC CHEN

(301)-456-9068 ◊ ericchen314@gmail.com ◊ <https://echen.io>

EDUCATION

University of Maryland

B.S. in Computer Engineering | Minor in Robotics | Academy of Machine Learning

Aug 2021 - May 2025

GPA: 3.95

QUEST Honors Program: Selective competitive honors program focused on team-based product design, management, and consulting

Awards: Ted & Janice Smith Scholar | James W. Dally Scholar | Derek H. Blume Scholar | L3Harris Scholar

EXPERIENCE & PROJECTS

Mobius Labs (*early-stage startup*)

Generative AI Intern

May 2023 - Aug 2023

Menlo Park, CA

- Building tools to help enterprises leverage the power open-source large language models into their business practices
- Creating an application using LangChain, Pandas, React, and FastAPI to allow enterprises to analyze data using natural language
- Designing architecture on AWS to build out MVPs of potential products using EC2, SageMaker, and CloudFormation
- Created the first pilot products and demos that secured Mobius' first round of enterprise contracts

UMD Engineering Career Services

Process Improvement Consultant

Mar 2023 - May 2023

College Park, MD

- Identified and addressed pain points in manual registration and check-in process for career fairs at UMD's engineering department
- Streamlined operations by utilizing Google services like Forms and Sheets, saving the client over 6 hours per week
- Developed automated JavaScript plug-ins to track volunteer shifts, hours worked, and live attendance from Google Form data
- Designed and optimized solutions via stakeholder interviews, process flow diagrams, and weekly meetings with the client

Intuit Mailchimp

Machine Learning Engineer

Jun 2022 - Sep 2022

Atlanta, GA

- Integrated automated documentation generation and version control into CI/CD within data science templates
- Eliminated substantial development overhead and streamlined production efficiency by 20%
- Migrated development environment to the GCP via instance templates and Direct Interconnect
- Designed solutions using Jenkins, Git, Docker + Kubernetes, Python, & GCP (Vertex.ai, Interconnect, GCE)

Pulsar Academy (<https://pulsaracademy.com>)

Founder and CEO

May 2020 - Mar 2022

Potomac, MD

- Initiated an online business to educate the youth about coding principles in Java, Python, and C++
- Designed and programmed a platform with Django and PostgreSQL to manage registration, payment, and course content
- Containerized app with Docker and docker-compose and hosted website on AWS EC2 + RDS and Google Compute Engine
- Advertised on online platforms, hosting two seasons of courses for over two dozen students

LEADERSHIP AND TECHNICAL ACTIVITIES

Bitcamp Hackathon Team (*Tech Team Director*)

Sep 2022 - Present

- Leading a team of 15 students to develop Bitcamp's website, mobile app, expo app, and registration for Bitcamp 2024
- Developed the website and cross-platform app used by over 1000 hackers in 2023 using Vue.js, AWS Lambda, S3, and DynamoDB
- Built Bitcamp's first comprehensive exhibition platform for hackers to present projects with CSV imports, automatic scheduling and table assignments — React, Flask, MongoDB, and Docker + docker-compose

SEDS Liquid Rocket Team (*Data and Acquisition Team Lead*)

Sep 2021 - Present

- Designed the avionics, electronics, and data collection pipeline with NI LabVIEW of UMD's first ever liquid rocket engine
- Ensured design and functional compatibility between electrical architecture and piping and mechanical infrastructure

TECHNICAL SKILLS

Programming

Python, HTML/CSS, Java, JavaScript + TypeScript, Bash, C, Ruby, R

Frameworks

(Django, Flask, FastAPI), (React, Vue.js, Svelte), (Scikit-Learn, Keras + Tensorflow)

Cloud Technologies

AWS (Certified Solutions Architect), GCP

DevOps

Docker, Kubernetes, Git, Jenkins

Engineering

MATLAB, Verilog HDL, Oscilloscope, DLA, CAD, PSpice, LabVIEW

CERTIFICATIONS

AWS Associate Solutions Architect Certification SAA-C02 (2021)

Coursera Deep Learning Specialization Certification (2023)

Oracle Java SE 8 Programmer I Certification IZ0-808 (2019)