

ERIC CHEN

(301)-456-9068 ♦ Washington D.C. ♦ ericchen314@gmail.com ♦ <https://echen.io>

EDUCATION

University of Maryland

Aug 2021 - May 2025

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

GPA: 3.97

QUEST Honors Program: Team-based program focused on product design, management, and consulting

Awards: Moose Scholar | Ted & Janice Smith Scholar | James Dally Scholar | Derek Blume Scholar | L3Harris Scholar

EXPERIENCE

Viam | Series B Startup | Robot Development Kit Team

May 2024 - Aug 2024

Software Engineer Intern | Go, C, C++, Python, Docker

New York, NY

- Resolved a critical memory flaw in our most popular microprocessor control server affecting our main customer
- Implemented a new API hardware driver to manage GPU memory and fix a resource depletion bug affecting **22,000 users**
- Collaborated with UT Austin Innovation Center to integrate novel, high-precision GPS tracking research into our product
- Optimized GPS RTK serial code for GPS navigation and developed comprehensive tests to ensure high performance

Mobius Labs | Early-Stage Startup

May 2023 - Aug 2023

Full-Stack & Generative AI Intern | Python, Pandas, React, FastAPI, AWS

Palo Alto, CA

- Innovated first pilot products that secured **\$2 million** in venture capital funding and first enterprise contracts
- Designed an app hub that enables enterprises to leverage private language models into their business operations
- Developed an application using LangChain and GPT-4 to analyze large datasets with human language
- Deployed high performance system architecture to host LLM inference with AWS Sagemaker, EC2, and CloudFormation

Intuit Mailchimp

Jun 2022 - Sep 2022

Machine Learning Engineer Intern | Python, Jenkins, Docker, Kubernetes, GCP

Atlanta, GA

- Integrated automated documentation generation and version control into CI/CD within machine learning repositories
- Eliminated substantial development overhead and **streamlined production efficiency by 20%**
- Migrated development environment to GCP, creating a private network for efficient model deployment

Pulsar Academy | <https://pulsaracademy.com>

May 2020 - Mar 2022

Founder and CEO | Django, PostgreSQL, Docker, AWS

Potomac, MD

- Launched an online business to educate the youth about coding principles in Java, Python, and C++
- Developed an online platform to manage registration, payment, and course content on AWS EC2 + RDS
- Spearheaded an online marketing campaign and successfully hosted four seasons of courses spanning a year

LEADERSHIP AND PROJECTS

BAE Systems (*Software Consultant*)

Aug 2024 - Present

- Streamlining business application development by optimizing application dependencies and improving server uptime
- Collaborating with stakeholders to deliver solutions that exceed client expectations by improving operation efficiency

Bitcamp Hackathon Team (*Tech Team Director* | *Senior Advisor*)

Sep 2022 - Present

- Led a team of 13 students to develop and innovate Bitcamp's technology platforms
- Managed development of the website and app used by **2000+ hackers** in 2024 using Vue.js, AWS Lambda, and DynamoDB
- Pioneered a new cross-platform app to track live attendance with NFC wristbands using React Native, Expo, and Node.js
- Built Bitcamp's first judging and exhibition platform for project presentation using React, Flask, and MongoDB

Northrop Grumman Environmental Sustainability Challenge (*First Place Team*)

Mar 2022 - May 2022

- Designed an IoT water management system to prevent runoff and flooding on residential properties with Python and Arduino
- Presented product and go-to-market strategy and won first place across entire university with a **\$2,500 prize**

TECHNICAL SKILLS

Programming	Python, HTML/CSS, C, C++, Go, Java, JavaScript, TypeScript, Bash, Node.js, Ruby, R
Frameworks	(Django, Flask, FastAPI), (React, Vue.js, Svelte), (Scikit-Learn, Keras, Tensorflow)
Database	PostgreSQL, MongoDB, DynamoDB, Firebase
DevOps	AWS, GCP, Docker, Kubernetes, Git, Jenkins

CERTIFICATIONS

AWS Associate Solutions Architect Certification SAA-C02

Stanford Deep Learning Specialization Certification

Oracle Java SE 8 Programmer I Certification IZ0-808