

ERIC CHEN

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EDUCATION

University of Maryland

B.S. in Computer Engineering | Minor in Robotics | University Honors Program

Aug 2021 - May 2025

GPA: 3.95

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

Awards: James W. Dally Scholar | Derek H. Blume Scholar | L3Harris Corporate Partners Scholar

EXPERIENCE & PROJECTS

Mobius Labs (*early-stage startup*)

May 2023 - Aug 2023

Model Development Intern

Menlo Park, CA

- Building a platform to help corporations integrate open-source large language models into their personal cloud platforms
- Creating an application using LangChain, Python, and Pandas to allow the average to analyze data using natural language
- Designing architecture on AWS to build out MVPs of potential products using EC2, SageMaker, and CloudFormation
- Staying up to date with latest AI developments in order to brainstorm potential product ideas or product improvements

UMD Engineering Career Services

Mar 2023 - May 2023

Process Improvement Consultant

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

Jun 2022 - Sep 2022

Machine Learning Engineer

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>)

May 2020 - Mar 2022

Founder and CEO

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 during Bitcamp 2023
- 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
- Updated hacker registration portal with Vue.js, deployed and managed on AWS Lambda, DynamoDB, and S3

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, Bash, C, JavaScript, Ruby, R

Frameworks

Django, Flask, Vue.js, React, Scikit-Learn, Keras + Tensorflow

Cloud Technologies

AWS (Certified Solutions Architect), GCP

DevOps

Docker, Kubernetes, Git, Jenkins

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)