

Cameron Kruger

Fairfax, VA | 541-550-8900

cameron.r.kruger@gmail.com | <https://github.com/ckruger097>

Passionate about systems and application development, especially around decentralized and distributed computing. Back-end developer with DevOps abilities; feels at home in front of several Linux terminals. Currently diving into everything Web3 with Go while completing my senior year at George Mason University.

EDUCATION

Bachelor of Science (B.S.) - Computer Science

Jan 2020 - May 2022 (Expected)

George Mason University, Fairfax, Virginia

- Senior at George Mason University's Volgenau School of Engineering; GPA: 3.90
- Currently enrolled in Analysis of Algorithms, Systems Programming, Database courses
- PatriotHacks 2021 hackathon winner - headed a collaborative project building a Flask based cryptocurrency paper trading web app with MongoDB database hosted on Heroku

EXPERIENCE

Software Engineering Internship

May 2021 – August 2021

Walmart Global Tech, Bentonville, Arkansas/Remote

- Interned as a back end dev supporting Walmart's greengrocer market; with the goal of observing, analyzing, and predicting shelf life of fresh produce
- Created an API in Go that processed inspection information, delivered to a user-friendly front end with the use of several other APIs; touched Angular and MongoDB as well
- Eliminated costly end user support chore for developers, saving hours each week for support staff on call
- Intern team was responsible for building a full stack web application with a microservices architecture that assists suppliers and grocery quality control associates to deliver the best supply of produce to Walmart's customers
- Planned, developed, and shipped a production web application within 8 weeks

Technical Services Analyst

Feb 2019 - May 2021

Unisys Federal/SAIC, Sterling, Virginia

- Responsible for the development, testing, and hardware-based improvement of client systems; including advanced License Plate Reading cameras, Network-Video controllers, RFID card readers and custom-built computers.
- Worked with software and engineering team in the development of in-house solutions written in Python and C# utilizing AI and Machine Learning Computer Vision through the Nvidia Jetson platform.
- Picked up on the job soldering for repair and development of printed circuit boards; repaired, engineered, and saved costs on \$30k+ LPR camera systems.

Data Center Operations

Oct 2018 - Dec 2018

Amazon Web Services (Contract), Manassas, Virginia

- Upheld 24/7 system reliability through efficient triage and ticket completion, from regular service to high severity Large Scale Events; worked on fiber optic networking, upgraded thousands of distributed storage (EC2) systems, collaborated with multiple ops teams.
- Learned to achieve customer obsession, adopt fault-tolerant procedures, learned new SLAs and cutting-edge methods of maintaining the largest cloud platform in the world.
- Achieved In-depth EC2, EBS, and S3 maintenance and diagnosing through MyDay workflow and Remedy ticketing systems followed by physical KVM Linux testing.

SKILLS

Python (2+ yrs), Jupyter, Flask, Java (2 yrs), Object-oriented Design, Go, Linux/Unix Administration (4+ yrs), Distributed Systems, Relational Databases, Git, Agile Development, Cloud Administration, Ethereum, MongoDB, web API development, microservices