


Mikayla J. Campbell

Site Reliability Engineer

CONTACT

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LINKS

 [LinkedIn](#)

 [GitHub](#)

 [Website](#)

SKILLS

Ansible

Amazon Web Services (AWS)

C

Docker

Google Cloud Platform (GCP)

Jenkins

Kubernetes

Linux/Unix

Litmus Chaos

Python

Terraform

vSphere

SECURITY CLEARANCES

DOD Secret Clearance

DOD Top Secret Clearance (In Progress)



EDUCATION

M.S. Computer Science, Portland State University, Portland, OR

September 2021 – March 2023

- Specialization in Software Engineering and Security (3.8 GPA)

B.S. Computer and Information Science, University of Oregon, Eugene, OR

September 2017 – March 2021

- Minor in Mathematics (3.5 GPA)



EMPLOYMENT HISTORY

Site Reliability Engineer

June 2023 – Present

The Aerospace Corporation, El Segundo, CA

- Utilize containerization, cloud technologies, and IaC to automate and reduce the time/cost associated with deploying and managing applications
- Support the deployment of continuous releases of Future Operationally Resilient Ground Evolution software on various environments to demonstrate the system's deployability in external conditions
 - [Future Operationally Resilient Ground Evolution Project](#) (FORGE)
- Support the automation and advancement of the Unified Data Library
 - [Unified Data Library Project](#) (UDL)
- Conduct research to develop a standardized, shared cloud architecture optimized for data analysis and storage across all NASA departments
- Design and lead a lab program for a cohort of 50 interns across the country

Software Engineering Graduate Intern

June 2021 – September 2022

The Aerospace Corporation, El Segundo, CA

- Automated the capabilities of AeroTel, an electro-optical telescope used to track satellites and sidereals
 - [AeroTel Project](#)
- Ran multiple MLPerf benchmarks to compare the efficiency of various high-performance computing systems
- Researched the capabilities of CA API Gateway, Tyk's API Gateway, Kong's API Gateway, and Apigee Edge Microgateway
- Deployed Litmus Chaos against a mission data processing application framework

Software Engineering Intern

June 2019 – September 2020

The Aerospace Corporation, El Segundo, CA

- Built a data processing application framework prototype on the cloud
 - Data flowed from HBase and Kafka to Nifi and Tableau
- Researched the significant functionalities of Tyk and CA API Gateways
- Investigated/Prototyped XACML support in CA Technology's Policy Manager and Kong's API Gateway
- Researched topics pertinent to running various databases on Kubernetes
- Transferred a Fast Digital Video Broadcasting Satellite Signal Processor from hardware to Amazon Web Services
 - Analyzed various EC2 instances to find the most efficient solution

Undergraduate Learning Assistant

January 2019 – December 2019

The University of Oregon, Eugene, OR

- Assisted lower-division Computer Science students in learning Python, C, and Unix