MIKAYLA J. CAMPBELL

SITE RELIABILITY ENGINEER ⚲ CORVALLIS, OR, 97330, UNITED STATES ☏ (541) 231 - 4785

○ DETAILS ○

2960 NE Glacier Way
Corvallis, OR, 97330
United States
(541) 231 - 4785
campbell.mikaylaj@gmail.com

○ LINKS ○

LinkedIn

Github

○ SKILLS ○

Adobe Photoshop/Lightroom

AWS EC2 Instances

Apache Drill

Apache Kafka

API Gateways

C

C++

CA API Gateway

Docker

Google Cloud Platform

HBase

HTML/CSS

Java

Kubernetes

Linux OS

Litmus Chaos

MacOS

OpenShift/CodeReady Containers

Putty

Python

SQL

Tableau

Unix

VirtualBox

Visual Studio

Windows Subsystem for Linux

🎓 EDUCATION

M.S. Computer Science, Portland State University, Portland, OR
September 2021 — Present

- Anticipated in March 2023

B.S. Computer and Information Science, University of Oregon, Eugene, OR
September 2017 — March 2021

💼 EMPLOYMENT HISTORY

Software Engineering Graduate Intern at The Aerospace Corporation, El Segundo
June 2022 — September 2022

- Automated various capabilities of an electro-optical telescope
  - Created a website to schedule and track satellites and sidereals
- Ran various MLPerf benchmarks to show the efficiency of various high-performance computing systems

Software Engineering Graduate Intern at The Aerospace Corporation, El Segundo, CA
June 2021 — September 2021

- Researched/Prototyped caching and CORS management in CA API gateway
- Researched the capabilities of CA API Gateway, Tyk's API Gateway, Kong's API Gateway, and Apigee Edge Microgateway
- Deployed and used Litmus Chaos (Chaos engineering) on an application
  - Deployed Litmus Chaos on CodeReady containers and ran chaos experiments

Software Engineering Intern at The Aerospace Corporation, El Segundo, CA
June 2020 — September 2020

- Researched/Prototyped XACML support of various 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 at University of Oregon, Eugene, OR
October 2019 — December 2019

- Assisted lower-division Computer Science students in learning C and Unix during weekly office hours

Software Engineering Intern at The Aerospace Corporation, El Segundo, CA
June 2019 — September 2019

- 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

Undergraduate Learning Assistant at University of Oregon, Eugene, OR
January 2019 — June 2019

- Hosted weekly office hours to support lower-division Computer Science students in learning Python