

CHRISTOPHER HAKLAR

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EDUCATION

California State University, Northridge

Autumn 2016 - Spring 2021

B.S. in Computer Science, Minor in Psychology

Los Angeles, CA

Cumulative GPA: 3.2 Dean's List: Autumn 2018 - Spring 2021

College of Engineering and Computer Science Student Senator: Autumn 2018 - Spring 2019

TECHNICAL SKILLS

Languages

Python, Go, Terraform, CloudFormation, LaTeX, C#

Software & Tools

Azure, AWS, Kubernetes, Octopus, Argo, Helm, Docker, GitHub Actions, Git

WORK EXPERIENCE

Site Reliability Engineer

April 2022 - Present

Stack Overflow

Seattle, WA

- Created new shared services AKS clusters for the hosting of micro-services refactored from our monolith.
- Enhanced deployment related telemetry using DataDog, culminating in an effective dashboard for troubleshooting and new automated responses to reduce manual deployment toil by 15%.
- Implemented Argo Workflows to orchestrate the deployment to customer instances of Stack Overflow Enterprise through Octopus Deploy during maintenance windows.
- Improved our CI/CD pipelines by automating the packaging and deployment of pull release code to development environments.
- Improved our deployment pipelines by resolving Azure Desired State Control race condition issues, leading to a 48% reduction in deployment failures.

Site Reliability Engineer Intern

July 2021 - April 2022

WorkBoard

Redwood City, CA

- Created our in house database backup container using connection secrets from key vault using akv2k8s. By using a blob-fuse driver in the container we were able to store MySQL backups in an archive tier storage account in Azure, saving thousands of dollars per month.
- Hardened and reduced the size of our production and development containers.
- Containerized a legacy WorkDay integration and deployed it to specification meeting GDPR guidelines.
- Initiated and lead our move to support M1 local development, allowing us to keep development on macOS.
- Containerized legacy machine learning APIs and wrote their deployment pipelines.
- Reduced our internal development setup time from a manual process that took upwards of 20 minutes, down to less than 10 minutes.

PROJECTS

American Sign Language Discord Bot - Developer

Spring 2021

[Demo - youtube.com](#)

- Built a Discord bot for the hard of hearing to help them interact with voice chats on Discord by converting from spoken English to ASL. This project won 2nd place at CSU, Northridge's annual hackathon

Gesture User Interface - Developer & Interface Designer

August 2019 - May 2020

[Demo - youtube.com](#)

- Created a fully touchless gesture based navigation and controls system integrated with a LEAP motion controller and written in C#
- Engineered a display system that allows for gesture intractable 3D models, photos, videos, and text