

JAY CUI

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PROFESSIONAL EXPERIENCE

Infrastructure Engineer

Sep 2024 –

Revmatics, Inc.

Lehi, UT, USA

- Saved the company \$100,000USD/year by building and maintaining an infrastructure monitoring platform using only open-source tools
- Saved the infrastructure team 20h/week by interviewing, hiring, training, and guiding an IT Support Specialist
- Set up data protection, high availability, and fault tolerance for critical services by turning them into clusters
- Decreased network infrastructure overhead by provisioning a shared VPC used by all Google Cloud projects
- Enabled internal services to securely communicate with one another by creating custom IAM roles
- Resolved 300+ IT support tickets

Platform Engineer

Sep 2022 – Jul 2024

BENlabs

Remote

- Reduced ML service deployment time by 50% by automating linting, testing, and infrastructure provisioning
- Reduced ML workflow setup time by 50% by turning the workflow into an auto-generatable template
- Provided company-wide access to self-updating vector embeddings by building data pipelines
- Enabled data scientists to train ML models on GPUs by automating cloud workstation setup
- Enabled data scientists to build a YouTube video view count prediction model by conducting exploratory data analysis (EDA) and building a baseline model
- Reduced ML application debugging time by coaching the data scientists on software engineering best practices

Software Engineer Intern

May 2022 – Aug 2022

Neighbor Storage, Inc.

Lehi, UT, USA

- Enabled users to create and update rental listings and payment information by building 10+ UI components and API endpoints
- Launched UI-Kit Version 2 by building 10+ reusable, fully-tested React components

Software Engineer Intern

May 2021 – Jul 2021

Pluralsight, Inc.

Draper, UT, USA

- Accelerated user data load time by 67% by redesigning the table concatenation procedure
- Provided new content access to 17,000+ enterprise customers in 180+ countries by integrating 50GB of data into Pluralsight's insights & analytics platform

EDUCATION EXPERIENCE

Brigham Young University - Provo

Sep 2019 – Jun 2023

- B.S. in Mathematics, Applied & Computational Mathematics Emphasis (ACME)
- Minor in Computer Science
- Heritage Scholarship: merit-based half-tuition scholarship