

JAY CUI

+1 (857) 207-7125 ✦ shilongjaycui@gmail.com

<http://shilongjaycui.com/> ✦ <https://www.linkedin.com/in/shilongjaycui/> ✦ <https://github.com/shilongjaycui>

EDUCATION

Bachelor of Science: Mathematics, Brigham Young University

2019 - 2023

- Minor in Computer Science
- GPA 3.56 | SAT: 1530/1600, 99th percentile | Heritage Scholarship: merit-based scholarship

EXPERIENCE

Data Engineer I

Branded Entertainment Network

Sep 2022 -

Los Angeles, California

- Allowed the data science team and the analytics team to monitor AI batch jobs by building and deploying a monitoring system (Python, AWS SDK, AWS Step Functions)
- Ensured the maintainability, reliability, and security of future projects by integrating a static code analysis tool into the project template's CI/CD pipeline (SonarCloud, Bitbucket Pipelines)

Software Engineer Intern

Neighbor Storage, Inc.

May 2022 - Aug 2022

Lehi, UT

- Enabled users to create/update rental listings and payment information by building UI dashboards (HTML, Tailwind CSS, React with TypeScript) and API endpoints (Ruby on Rails, Go)
- Enabled commercial renters to filter listings by building three interactive filters
- Launched UI-Kit Version 2 by building 10 reusable, fully-tested React components (React Testing Library)

Natural Language Processing Researcher

DRAGN Labs

Sept 2021 - Dec 2021

Provo, UT

- Built an LSTM network that detects textual contradictions with a test-set accuracy of 80% (TensorFlow)

Software Engineer Intern

Pluralsight, Inc.

May 2021 - Jul 2021

Draper, UT

- Accelerated user data load time by 67% (6s to 2s) by redesigning the table concatenation procedure (SQL)
- Integrated 50GB of content data from a newly acquired startup (Next Tech) into Pluralsight's insights & analytics platform by rebuilding 5 queries and their integration tests (C#)
- Enabled 17,000+ business customers in 180+ countries to monitor their teams' content engagement and skill improvement

Data Analyst Intern

OrderBoard, Inc.

Feb 2020 - Dec 2020

Orem, UT

- Built a model that maps client companies' employees to their archived job postings (Python, Matplotlib, Pandas)

LEADERSHIP EXPERIENCE

Preschool Teacher

Early Learning Essentials

Nov 2022 -

Provo, UT

- Taught 15 three-year-olds how to brush their teeth

Vice President, Recruiting

Society for Industrial and Applied Mathematics

Sep 2021 - Nov 2022

Provo, UT

- Organized, advertised, and hosted 10+ recruiting events for 600+ undergraduate STEM students