

JAY CUI

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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 Sep 2022 -
BENlabs *Remote*

- Enabled the data science team and the analytics team to monitor AI batch jobs by building and deploying a monitoring system (Python, AWS Software Development Kit, AWS Step Functions)
- Enabled the data engineering team to control OpenSearch data access by building a command-line interface tool (AWS Cloud Development Kit, AWS OpenSearch Service, AWS Secrets Manager, pytest)
- Provided company-wide access to Twitch data by building three data pipelines (Twitch API, Gathr, AWS S3, AWS Glue)

Software Engineer Intern May 2022 - Aug 2022
Neighbor Storage, Inc. *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 Sept 2021 - Dec 2021
DRAGN Labs *Provo, UT*

- Detected textual contradictions with an 80% accuracy by building a bidirectional LSTM network (TensorFlow)

Software Engineer Intern May 2021 - Jul 2021
Pluralsight, Inc. *Draper, UT*

- Accelerated user data load time by 67% (6s to 2s) by redesigning the table concatenation procedure (SQL)
- Provided new content access to 17,000+ business customers in 180+ countries by integrating 50GB of data into Pluralsight's insights & analytics platform (SQL, C#)

Data Analyst Intern Feb 2020 - Dec 2020
OrderBoard, Inc. *Orem, UT*

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

LEADERSHIP EXPERIENCE

Preschool Teacher Nov 2022 -
Early Learning Essentials *Provo, UT*

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

Vice President, Recruiting Sep 2021 - Nov 2022
Society for Industrial and Applied Mathematics *Provo, UT*

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