

# JAY CUI

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## EDUCATION

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**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

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**Data Engineer I**

BENlabs

Sep 2022 -

*Los Angeles, California*

- 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**

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*

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

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

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**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