

ADAM SHIH

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EXPERIENCE

Zoom Video Communications

Jul 2022 – Feb 2023

Software Development Engineer

Remote

- Designed and developed a Java and Scala application to delete data from a Snowflake database following requirements from the data governance team.
- Leveraged Snowplow, DataHub, and GraphQL to locate and delete the required data.
- Implemented a Jenkins CI/CD pipeline to automate software delivery.
- Wrote comprehensive unit tests for all code using JUnit and ScalaTest frameworks.
- Collaborated with cross-functional teams to design data models that generate insights and business value.
- Provided customized data reports to internal stakeholders using optimized queries for Trino and Hive.

Portland State University

Oct 2021 – Jun 2022

Computer Science Tutor

Portland, OR

- Conducted drop-in tutoring sessions for undergraduate computer science students.
- Adapted teaching methods based on the needs of each student.
- Taught a range of topics, including data structures, object-oriented programming, and systems programming.
- Covered various programming languages, such as C++, C, Python, Java, and x86 Assembly.

PROJECTS

Falling Sand Simulation • Rust, Bevy, WASM

- <https://github.com/adam-shih/falling-sand>
- Building a simulation in the Rust programming language using the Bevy game engine.
- Implementing various elements with unique physics and interactions.
- Utilizing WebAssembly in order to build and run the app on my portfolio website.

TECHNICAL SKILLS

Languages: Python, Rust, Scala, SQL, GraphQL, Java, JavaScript, HTML/CSS, C++, C

Libraries/Frameworks: React, SvelteKit, Bevy, NumPy, Pandas

Developer Tools: Git, Linux, Docker, Jenkins, Jira

EDUCATION

Portland State University

Portland, OR

Bachelor of Science in Computer Science

2019 – 2022

- GPA: 3.71

Clackamas Community College

Oregon City, OR

Associate of Science Transfer

2017 – 2019