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 data governance requirements.
- 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 written using JUnit and ScalaTest frameworks.
- Provided customized data reports to internal stakeholders using optimized SQL queries for Trino and Hive.
- Designed data models that allowed other teams to generate insights and business value.

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

Forum App • *Rust, JavaScript, Axum, SvelteKit, PostgreSQL*
https://github.com/adam-shih/forum

- A forum application inspired by websites like Reddit, Hacker News, Lobste.rs, etc.
- REST API built with Rust using the Axum framework alongside a PostgreSQL database in Docker.
- Frontend built with JavaScript and SvelteKit.
- Authorization and authentication implemented using JWTs.

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, Java, PostgreSQL, JavaScript, HTML/CSS, C, C++

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

EDUCATION

Portland State University   Portland, OR
Bachelor of Science in Computer Science   *2022*

- GPA: 3.78/4.0