MUYUAN ZHANG

385 457 0970   muyuanz@hotmail.com   LinkedIn@muyuanz   GitHub@hiyakawa   Personal Website: hiyakawa.github.io

EDUCATION

Master of Software Development   Aug 2022 - Dec 2023

University of Utah   GPA: 3.84

Master of Engineering in Energy, Environmental & Chemical Engineering   Jan 2020 - May 2021

Washington University in St. Louis   GPA: 3.58

Bachelor of Engineering in Chemical Engineering   Sep 2015 - July 2019

Tianjin University

EXPERIENCE

Software Engineer Intern   Utah Nanofab Cleanroom   May 2023 - Present

- Cross-referenced user data and equipment run data to filter unregistered users and generate email alerts using Python.

- Developed JavaScript/TypeScript scripts to automatically download run data and reservation datasets from Nanofab cleanroom websites.

- Implemented a Web & Android application to update and query chemical inventory data using Kotlin and C#.

Apple Certified Repair Service Technician   University of Utah Campus Store   Apr 2023 - Present

- Troubleshoot and determine disposition of defective macOS products and perform board-level repairs (display, battery, logic board, fan, top case, etc.) on MacBooks.

- Provide software technical assistance, hardware diagnostics and data transfer service to the School of Computing staff and the University community.

Data Scientist   Amazon   May 2022 - Aug 2022

- Collaborated with vendor management to optimize data cleansing processes and to reduce manual processes within Amazon Fresh Japan node as a bilinguist in English and Japanese.

- Extracted data from websites by web crawling with Python. Stored the data as data sets requiring no human interaction.

- Developed applications using Python Pandas to clean and format data sets involving product and vendor information, and to generate HTML emails to check in with customers.

- Saved 8 hours of labor per week by implementing each Python application and contributed to the digital transformation of RBS Japan FLEX team.

Data Analyst   ZhuoMan Technology Co., Ltd   Oct 2021 - May 2022

- Assessed the effectiveness of the campaign by linear regression analysis of marketing data using MySQL, Impala and R.

- Developed a Flask B/S application to upload and display Excel files on web pages with Python Jinja2.

- Collaborated to design and maintain a Clickhouse database, created composite indexes and optimized queries to improve query performance by 400%.

PROJECTS

Learning Management System   team4.dbproject.eng.utah.edu   June 2023 - July 2023

- Implemented a dashboard for tracking students, teachers, and records in school like Canvas.

- Backend: Designed ER diagram and created SQL tables. Developed controller functions by Scaffolding and LINQ.

- Frontend: Implemented different roles' specific pages (e.g., courses, departments) and communicated with servers by AJAX.

ChatRoom   Oct 2022 - Nov 2022

- Developed a Web & Android chat application using Kotlin and built a multithreaded HTTP/Web socket local server with Java and formatted messages in JSON.

- Implemented the client-side Web UI with JavaScript, HTML and CSS.

SKILLS

C++   Java   Android   Kotlin   Python   R   SQL   C#   React   D3   JavaScript   HTML5   CSS

Mandarin/Native   Japanese/Fluent   English/Fluent