

## MUYUAN ZHANG

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

## SKILLS

C++    Java    Android    Kotlin    Python    R    SQL    C#    React    D3    JavaScript    HTML5    CSS  
Mandarin/Native    Japanese/Fluent    English/Fluent

## 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.

## 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