Anson Liang

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Technical Skills

Languages: Python, Java, C, SQL, JavaScript, HTML, CSS, R, Bash
Tools/Frameworks: AWS, React, Node.js, PostgreSQL, Tailwind CSS, Django, Bootstrap, Git

Experience

Data Operations / Scoring Agent | The Nationwide Group   Sept 2024 – Aug 2025
- Built automated scripts to summarize **3,000+** appraisal reports, reducing manual scoring workload by **42%**
- Produced dynamic monthly reports summarizing **1,000+** data rows, improving lender decision-making
- Prototyped a **React**-based company website with an intuitive interface to increase user engagement

Application Programmer | Ontario Ministry of Health   Jan 2024 – Apr 2024
- Developed **Python** scripts to process data retrieved from **S3 buckets**, shortening processing time by **15%**
- Migrated **session retrieval** from an Oracle database to **Amazon Redshift**, optimizing query performance
- Expanded the company's on-premise storage capacity by **22%** through migrating scripts to **AWS Glue**

QA Analyst / Data Operations | The Nationwide Group   May 2023 – Aug 2023
- Created **MySQL** test cases and datasets to validate UI features, reaching **50,000+** monthly users
- Improved the backend database by identifying and removing redundant information by **30%** using **Excel**
- Designed and enhanced UI/UX for appraisal forms to create a more consistent platform experience

Web Developer | University Health Network   May 2022 – Aug 2022
- Revamped the intranet platform with **HTML**, **CSS**, and **JavaScript**, improving material access speed by **20%**
- Deployed backend infrastructure to **dotCMS** and consolidated **REST APIs** to decrease redundancy
- Gathered feedback from the design team and presented weekly client demos to communicate progress

Web Developer | Quartz Market   Nov 2020 – May 2021
- Engineered a website to organize ticket sales, promote workshops, and connect **12** small businesses with over **3.5k** potential customers, increasing brand visibility, using **HTML**, **CSS**, and **JavaScript**
- Facilitated cross-department design decisions by creating website prototypes and incorporating feedback
- Awarded **Company of the Year** among **40** unique start-ups at the Junior Achievement Company Awards

Projects

AI Sports Predictor
- Built a **Python** model to forecast football game outcomes with **85%** accuracy, featuring a UI display
- Cleaned and processed over **100k** rows of data to train **linear regression** models for accurate predictions

React Budgeting App
- Created a responsive web app using **React** and **TypeScript** that allows users to plan budgeting expenses
- Implemented persistent colour theme customization with cookies for a personalized frontend experience

Learning Log
- Developed a user-authenticated web app that allows users to log their progress on topics using **Django**
- Built a responsive website with **Bootstrap**, adding personalization features to enhance user experience

Education

University of Waterloo   Sep 2021 – Apr 2026
Honours Bachelor of Mathematics (Statistics), Minor in Computing, Co-op