



Anson Liang

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Technical Skills

Languages: Python, JavaScript, Java, C, SQL, HTML, CSS, Bash, R

Tools/Frameworks: AWS, React, Node.js, PostgreSQL, Tailwind CSS, Django, Bootstrap, Git

Experience

Application Programmer | Ontario Ministry of Health

Jan 2024 – Apr 2024

- Automated **Python** scripts to process data retrieved from **S3 Buckets** shortening processing time by **15%**
- Reduced **session retrieval time (96%)** through migrating from Oracle to **Amazon Redshift** data platform
- Migrated scripts onto **AWS Glue** increasing the company's on-premise server storage by **22%**

QA Analyst/ Data Operations | The Nationwide Group

May 2023 – Aug 2023

- Built test instances using **MySQL** for UI features reaching **50k** monthly users
- Organized and reduced redundant information by **30%** in the backend database using **Excel**
- Designed UI/UX for the company's appraiser PDF forms to create a more consistent platform experience

Web Developer | University Health Network

May 2022 – Aug 2022

- Implemented webpages and usability features using **HTML**, **CSS**, and **JavaScript** for the company's research website to create a revamped intranet for researchers to access their materials faster by **20%**
- Migrated backend to **dotCMS** using Velocity scripting and REST API to improve security and redundancy
- Collected feedback from the design team and presented weekly progress demos to clients

Web Developer | Quartz Market

Nov 2020 – May 2021

- Developed a website to organize ticket sales, promote workshops, and connect **12** small businesses with over **3.5k** potential customers, raising awareness about their company using **HTML**, **CSS**, and **JavaScript**
- Facilitated design decisions between departments by creating website prototypes
- Awarded **Company of the Year** among **40** unique start-ups at the Junior Achievement Company awards

Projects

React Budgeting App

- Created a responsive web app using **React** and **TypeScript** that allows users to plan budgeting expenses
- Personalized frontend user experience through persistent colour themes using cookies

Learning Log

- Built a user-authenticated web app that allows users to log their progress on topics using **Django**
- Engineered a responsive website with a personalized interface customized using **Bootstrap**

Restaurant Manager

- Created a restaurant ordering application that enables customers to view their previous transactions, search for restaurants, and print order receipts using **Java** and a **graphical user interface**
- Implemented a log of users' order history and restaurant favourites in a database

Snake Game

- Re-created the classic snake game using **Java** and **object-oriented programming** principles, as well as adding a multiplayer game mode, various difficulties, sound effects, and a **graphical user interface**
- Collaborated with team members to iterate on design features, review functionality, and designate tasks

Education

University of Waterloo

Sept 2021 – Apr 2026 (Expected)

Candidate for Bachelor of Mathematics (Statistics), Minor in Computing