

Yang Ji

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🔗 <https://yangj8899.github.io/>

SKILLS

Technologies:

Pygame | JQuery | React | Node.js | AWS Amplify | GraphQL | MongoDB

Languages:

Python | Javascript | SQL | Racket | CSS | HTML | PHP

Used for Projects:

Express | Socket.io | Heroku | Git | Microsoft Tools

EXPERIENCE

Display Quality Engineering

01/2022 – 04/2022 | Markham, Canada

Advanced Micro Devices (AMD)

- Lead weekly regression testing on the Rembrandt APU
- Found regression points in **C/C++** that affected certain capabilities of displays
- Aided in adhoc smoke tests and retrieving logs for urgent customer requests
- Created an automated API that retrieves tickets from JIRA and stores those tickets into a **MongoDB** database using **python**

Full Stack Developer

05/2021 – 08/2021 | Toronto, Canada

MarketBox Inc.

- Implemented a working audit system to keep track of interactions on the site, improving security and reducing confusion with what's happening in the system
- Improved load time of audit logs by 80% using **AWS Amplify** and **GraphQL** databases.
- Created a CSV generating feature that reads data of 400+ clients, reducing the manual labor of admins searching for the data
- Enhanced frontend UX design making the website more visually appealing and easier to navigate

Bank Intern

07/2017 – 08/2017 | Shenzhen, China

China Citic Bank

- Part of an intern program known as the China Citic Elite Program and learned the intricacies of the financial side of banks
- Spent 3 days a week working at a specific branch of the bank from 9am-5pm. Improved communication skills by assisting stakeholders, customers etc.
- Partook in an event with a team of 4 where given no money or electronics, the goal was to reach a specific destination across the city by earning money as a team.

PROJECTS

Chamber Crawlers 3000 (CC3K)

12/2021 – 12/2021

C++ Game Developer

- Done as the final project for CS246, created the CC3K dungeon crawler game in **C++**
- Implemented characters such as user characters, and enemy characters with base and abstract classes
- Successfully implemented movement and battle feature using pointers and parent functions

QuickChat Application

12/2020 – 01/2021

Full Stack Developer

- Designed a working real time chat room application using **Express, React, Node.js and Socket.io**
- Successfully implemented emoji's in message sending as well as scroll-to-bottom functionality
- Hosted web server using **Heroku, Netlify** and **Git**

ShoppingQ - Def Hacks Hackathon

06/2020

Back End Developer

- Mainly for the COVID-19 pandemic, developed a user friendly web application that keeps track of **how many customers are waiting in line** to enter a store or a super market
- Implemented a working database with **SQL** and **PHP** to store employers account information. Such as store names, store locations, usernames and **hashed** passwords
- Successfully implemented a security system using **PHP** that allows for **account creation, and password reset** for store owners to safely enter data regarding their stores. i.e. number of people in line, average wait time, etc.
- Created a front end web page using **JQuery, Javascript and CSS** that looks aesthetically pleasing for users

EDUCATION

Candidate for Bachelors of Computer Science

09/2020 – 04/2025

University of Waterloo

- Major GPA: 4.0 (93%), Cumulative GPA: 3.98 (92%)
- Relevant Courses: CS 246 || Object Oriented Programming, Smart Pointers, Loops, Structures, Classes, Makefiles
- CS 136 || C programming, Memory Allocation, Trees, Stacks, Abstract Data Types