Sung Ha Hwang

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EDUCATION

University of Toronto - Toronto, Ontario 2019 - 2023

Bachelor of Science, Computer Science

- Stream: Computer Science Specialist with Co-op - 3rd year
- GPA: 4.0/4.0

SKILLS

Languages: Python, JavaScript/HTML/CSS, Java, C, Unix/Linux, MySQL

Tools/Frameworks: React, Spring, Git, Flask, Node.js, Firebase, Tensorflow, Keras

Concepts: REST, OOP, MVC, Agile Methodologies (Scrum)

WORK EXPERIENCE

CGI Group Inc. Sep 2020 - Apr 2021

Java Developer

- Developed a new wireless provisioning application using Spring MVC framework, and MySQL in a Scrum team resulting in the client's business operations to become more secure and streamlined
- Implemented suspending and restoring form data with HttpSession allowing users to close and reopen forms to complete at a later date
- Engineered regression testing with the quality assurance team to prevent new faults after code changes
- Fetched customers' purchasing orders asynchronously to reduce the website loading time by 50%
- Migrated 1000+ lines of Java legacy code to speed up developer velocity and improve modularity

PROJECTS

Grocery Android App | Github Nov 2021

- Created an Android application in Java to help store owners prepare customers' orders
- Led a team of 6 in creative visuals and functionalities for home, order list, and order details pages
- Designed a database stored in Firebase to edit/record customer and store data
- Programmed the MVP structure and unit tests with JUnit4 reaching 100% code coverage

Online Othello | Github Sep 2020

- Created a real time online based Othello board game with multiple virtual rooms
- Designed front-end using React, CSS, and HTML to serve a fast static website.
- Developed back-end to handle game logic and maintain user/room data using Socket.IO and Node.js

Chess Neural Network | Github Aug 2021

- Implemented a Tensorflow chess neural network based on AlphaGo Zero paper by Deepmind
- Adjusted network size and pipelined millions of public chess positions leading to 10x training speeds
- Developed UI for hands-on evaluation using Flask and Javascript