

Zuker Nie Chen

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EDUCATION

York University - Bachelor of Arts in Honors Computer Science

Toronto, ON

Relevant Courses:

Sep 2019 – April 2024

- Advanced Object Oriented Programming, Data Structures and Algorithms, Database Systems, Android Development, Software Design, Building E-Commerce Systems, Advanced Software Engineering

Societies and Activities:

- York University Computer Science Club, York University e-Sports Club, CodeFi Club, Stacie Library Hackathon

EXPERIENCE

Information Technology Project Coordinator

Toronto, ON

Crown Academy

Sep 2021 – Mar 2022

- Coordinated and led a team of developers to implement educational web applications as learning tools
- Researched and integrated **Quizlet Flashcards API** onto the student resource pages
- Analyzed the pull requests and constructed in-depth unit tests with **50%** coverage of the application and performed technical troubleshooting for software and hardware related issues
- Improved workflow efficiency by **40%** for teachers by providing AutoHotkey scripts to reduce redundant tasks

Web Development Intern

Toronto, ON

Heda Investments

Sep 2019 – Feb 2022

- Supported the marketing efforts for all products and services by assisting with website development, restructuring to boost marketing efforts effectiveness, customization of logo etc.
- Collaborated with a team to develop and design the front-end of the company website using front-end frameworks such as **Wix** and **WordPress**
- Designed and structured the site's layout with **HTML** and **CSS** and utilized **JavaScript** to implement new features for client interaction and company marketing materials
- Recommended and modified strategies for content development that improved of **SEO** analytics by **10%**

PROJECTS

eStore - Java based Web Application — eStore.com | SQL, Java, HTML, CSS, JavaScript, REST API, Bootstrap

- Developed and deployed an e-commerce store that was built with **Java** and **Apache Maven**.
- Designed the User Interface layouts and implemented **RESTful API** to communicate with the back-end using **JSON** format.
- Structured the code base by applying Software Design Pattern procedures such as Singleton, DOA, and MVC.

Filest - HR Mobile Application — filest.ca | React, JavaScript, HTML, CSS, Java

- Built a mobile and web application that provides a direct method for scheduling meetings, requesting vacation days, and informing the user's network of their absence from work
- Modelled and replicated legacy codebase from iOS to Android platform; leveraging and building upon established front-end methodology
- Designed the user interface for the Android and iOS application using Figma to optimize user experience

Deadlock Detector | C

- Implemented a banker's algorithm simulation that tests for safety for all possible amounts of resources in order to avoid a deadlock
- Managed pool of resources by allocating appropriately to each process based on a priority queue

APTrainer - Artificial Personal Trainer | HTML, CSS, JavaScript, TensorFlow API

- Developed a web application using **JavaScript** which provides education and corrective feedback to users when doing aerobic exercises
- Utilized **TensorFlow API** library to integrate body segmentation in live footage and use the xyz coordinates to determine good or bad form during an exercise

TECHNICAL SKILLS

Programming Languages: Java, SQL, JavaScript, HTML/CSS, C/C++

Frameworks: React, Node.js, JUnit, WordPress, Wix, Bootstrap, Firebase

Developer Tools: Android Studio, Eclipse, Figma, Git, IntelliJ, Microsoft Office, MySQL, VS Code, Brackets