

Zuker Nie Chen

(514)-660-9126 | zukernie.ca | zukernie@my.yorku.ca | linkedin.com/in/zukernie | github.com/Zuker-nie

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

Deadlock Detector | C, GCC Compiler

- 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
- Composed and categorized various contrasting test cases; each with their respective expected output

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

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
- Built the text-to-speech feature that is activated by the incorrect movement of the subject

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