Kenny Miu

Profile

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kennymiu.com

Languages

Python
Java
Swift
JavaScript

Tools & Frameworks

XCode
Node.js
ReactJS
TensorFlow
Firebase
Cloud Platform

Education

University of Waterloo

Candidate for BASc degree in Nanotechnology Engineering

Sept 2019 - Apr. 2024

Work Experience

iOS Developer   Sept 2018 – June 2019
St. Augustine CHS, Markham ON
Tools: Swift, Objective C, XCode, Simulator

- Created and programmed the entire school app
- Entirely self-taught and solved problems individually
- Ensured app was compliant with Apple's App Store Policies
- Worked in a team of 4 to design the UI and ensure both Android and iOS designs are in sync. Implemented the UI for iOS individually

Backend Developer   Sept 2018 – June 2019
St. Augustine CHS, Markham ON
Tools: Node.js, Firebase, CronJobs, Cloud Platform

- Programmed function to scrape a website to check for bus cancellations and send push notifications to school body
- Ensured regular backups of the database were saved daily both in the cloud and on a drive
- Created functions integral to the app's functionality such as deleting user requested songs

Computer Instructor   Sept 2015 – June 2019
Milliken Mills Community Centre, Markham ON

- Taught students ages 6-14 several program concepts from loops to object-oriented programming and inheritance in several languages such as Python and Java
- Worked with and taught different types of software such as Animation studios, Programming IDEs, Video editors

Projects

Personal Website
Tools: React, JavaScript, HTML, CSS, npm

- Uses the SPA architecture
- Showcases recent projects and interests

Machine Learning Projects
Tools: TensorFlow, Python, Gym

- Programmed a model to use the physics of the virtual environment to perfectly balance any object on a platform

Interests

Canadian Computing Contests
Tools: Python, Java

- Solving challenging questions from all years and of various question types