

Kenji Casibang

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Education

Sheridan College

Honours Bachelor of Computer Science (Mobile Computing)

Dec 2019

Oakville, ON

Sheridan College

Computer Systems Technician – Software Engineering Diploma

May 2016

Brampton, ON

Employment

Mobile Application Developer Co-op

Sheridan College

Feb 2018 - Aug 2018

Oakville, ON

- Designed and developed an iOS app intended for nurses and caregivers to monitor their patients remotely.
- Analyzed the sensor data collected by the app from various smart home devices.
- Implemented image detection functionality within the app using Vision and Core ML framework.
- Constructed a smart home environment using Apple's HomeKit framework that allowed for further development of other related projects.
- Developed and hosted a web app that connected to the iOS app to monitor the smart home and visualize the data received.
- Created and managed a MySQL database as a backend for the web app using PhpMyAdmin.
- Collaborated effectively with team members using project tools such as Slack, Bitbucket and Asana.

Java Peer Tutor

Sheridan College

Jan 2017 - Aug 2017

Oakville, ON

- Aided other students in understanding Java and early object-oriented programming concepts.
- Assembled lesson plans for students in preparation for weekly assignments and quizzes.
- Recorded academic performance of students to better suggest areas of improvement.

Software Projects

Portfolio: kenji.c.github.io

Earthquake Guardian - Capstone Project

- Co-developed an Android app using Java that implemented a mesh network using a combination of Wi-Fi Direct and Bluetooth.
- Implemented text and image communication between devices without an active network connection.
- Allowed certain users to locate other nearby users using a combination of GPS and augmented reality.
- Collaborated with stakeholders during the development process to ensure that all of the functional requirements were met.

Watson Chatbot Calculator

- Designed an Android chatbot calculator app that utilized IBM Watson Assistant to allow for text-to-speech capability.
- The chatbot can be added to an existing Slack group, where multiple users can make use of its features.

Missile Attack

- Created an augmented reality game similar to Missile Command that can be played using a Microsoft HoloLens.
- Programmed using C# in Visual Studio and Unity Engine for 3D meshes, motions and environmental setup.

Skills

Programming Languages and Technologies: Java, C++, C, C#, HTML5, SQL, JavaScript, ASP.NET, Swift

IDE: Android Studio, XCode, MYSQL, SQL Server