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SPARSH PAI

Skills Summary

- **Languages:** Java, Python, C++, Swift, SQL
- **Technologies:** Android, IOS, Git Version Control, AWS, Firebase, SQLite DB, MySQL

Work Experience

IOS Software Engineering Intern

Dimensional Interactive (Startup) [OS: MacOS, Swift, Git Version Control, Firebase, Xcode, *Agile*]

Toronto, ON
Sept 2020 – Current

- Working on the implementation of a **psychometrics engine** for an **IOS** app
- Architected major **UX/UI** features
- Allowed for upwards of **50%** increase in **information visibility** through custom **scroll-view deployment**
- Heavily used **Protocols and Delegates** design pattern
- Implemented **10+** features from **concept** through **deployment**
- Allowed for data persistence using pre-configured **Firebase** backend and **local data storage**

Full Stack Android Developer

Revyoo.me Inc (Startup) [OS: Ubuntu (Linux), Android Studio, Java, Git Version Control, SQL, AWS Lambda, Node.js]

Guelph, ON
Jan 2020 – Apr 2020

- Worked on developing a cross-over **Android** app between **Yelp** and **Google Maps**
- Integrated Google Places **TextSearch API** to enable **proximity-based** search and **autocomplete**
- Decreased user search time by **250%**, allowed for visibility of **500%** more locations on average
- Removed **25+** deprecation issues and took code base from non-functional to functional
- **Independently led** development and added **5+** crucial **UX/UI** features

Projects

FlashChat [IOS, Swift, Firebase]

Oct 2020

- Created a chat application using **IOS** development and design in **Swift**
- Used reusable components, auto-layout, animations, Figma design exports, etc.
- Configured gesture recognizers, implemented subclassing, used delegates and protocols design pattern

MyFortune [IOS, Swift, Firebase]

Sept 2020

- Programmed a fortune teller **IOS** app in **Swift**
- Used Storyboard components, segues, IBOutlets, gesture recognizers, etc.

HealthMod [Java, Android, TensorFlow, Git Version Control]

- Mentored the development of an **Android** application to enter user data using **Java**
- Used the AWS ML libraries to create a model that can detect a user's susceptibility to heart disease
- Assisted in creation of a MySQL server to process inputted data

Jan 2020

MedLife [Java, Android, OpenCV]

Jan 2019

- Created an **Android** application to detect infections in the ear using **Java** and **OpenCV**

Major Technical Awards

- McMaster Delta Hacks VI, **1st Place Overall** (250+ Competitors) Jan 2020
- Waterloo Engineering Competition, **3rd Place Overall** (30+ Competitors) Nov 2019
- HOSA Medical Innovations **National Qualifier** (250+ Competitors) Mar 2019
- York U Hacks 50:50 Challenge, **1st Place Overall** (60+ Competitors) Sept 2018

Education

University of Waterloo

BASc Computer Engineering

Waterloo, ON
Sep 2019 – Apr 2024