Felix (Xin Song) Zhang

CONTACT

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EDUCATION

Computer Programming & Analysis Advanced Diploma
Seneca College - Toronto
GPA: 3.9/4.0
President's Honour List
Bachelor of Science in Biology
University of Ottawa - Ottawa

SKILLS

- Java
- Kotlin
- JavaScript
- C/C++
- C#
- Python
- PHP

TECHNOLOGIES

- AndroidX
- Ionic
- Firebase
- React/React Native
- Angular
- Express.js
- Node.js
- MySQL
- PostgreSQL
- MongoDB
- Gradle/Maven
- Git
- Heroku
- Dagger2

INVOLVEMENTS

Game Institute Jam Hackathon
May 2019

- Participated in the 2019 game development hackathon hosted by the University of Waterloo
- 48-hour hackathon with 100 + students and multiple sponsors
- Designed and built a 3D infinite runner game using Unity and C#

Highly motivated professional with experiences seeking new challenges in App development through engaged critical thinking, detailed analysis and structured problem solving.

WORK EXPERIENCE

Full-Stack Application Developer   **2019-Present**
Palomino Systems Innovations Inc. Toronto, Ontario

- Developed customized subscription system for clients using **Stripe API** and nightly scripts to manage renewals and process payments
- Handled large-scale database migration/integration for Sterling Capital Brokers using **MySQL, PostgreSQL** and **PHP**
- Full-stack web development using **MySQL**, **Laravel and JavaScript**

Android Developer   **2019**
Muscle Labs Canada Ltd. Richmond Hill, Ontario

- Developed high-end, native mobile android application using **Android SDK**, **Java** and **Gradle**
- Application built to control motors and conduct diagnostics through Bluetooth and USB/RS-232 serial port connectivity
- Implemented features such as text/barcode recognition using **Google Mobile Vision API**, TTS voice recognition, digital signature, custom soft keyboard, photo capture and photo gallery module using **Camera2** and **Glide API**
- Conducted unit, integration and operational testing to ensure smooth deployment of the application
- Fully responsive and operational on multiple devices and versions

Freelance Android Developer   **2018-Present**

- Developed native android applications using **Android SDK** and **Gradle, AndroidX** and **Material Design**

PROJECTS

Password Generator Mobile Application   **2019**

- Visually minimalistic password generator that provides flexibility in password strength and length

Movie Search Mobile Application   **2019**

- Search application designed to filter results real-time and allows for multiple search strings at once

Currency Converter Mobile Application   **2019**

- Real-time FX converter built for android devices using Android Studio and Java that allows conversion between multiple currencies

Web Server Database   **2018**

- Full-Stack website developed using Express.js, Node.js, Bootstrap and PostgreSQL
- User registration and password encryption implemented through MongoDB and bcryptjs