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EDUCATION

MCGILL UNIVERSITY

SEP 2011 – DEC 2015

B.Eng. Computer Engineering

Minor in Computer Science

KOREA UNIVERSITY

AUG 2014 – DEC 2014

Student Exchange Program

SKILLS

PROFICIENT

- ❖ Java
- ❖ C#
- ❖ C++
- ❖ C

INTERMEDIATE

- ❖ .NET
- ❖ TDD (JUnit/NUnit)
- ❖ Hibernate
- ❖ Spring
- ❖ HTML/CSS
- ❖ Angular2/Typescript
- ❖ Python

PROJECTS

FITPICS (WORK IN PROGRESS)

Mobile fitness tracking application featuring progress pictures using Ionic framework and Angular2/TypeScript

MYMARLET

Development with a team of McGill students of an open source Android application for students to access the university portal

CUSTOMIZABLE PASSWORD

Developed a secure password system using a PNG file coupled with a character based password

FAST FOURIER TRANSFORM

Designed an optimized convolution algorithm for FPGA in VHDL using Fast Fourier Transform

EXPERIENCE

NUANCE COMMUNICATIONS | DEC 2016 – PRESENT

Dialog Developer – Automotive Services Team

- ❖ Requirements analysis, design, documentation, implementation and validation of speech systems in the Automotive Professional Services team
- ❖ Development of voice applications leveraging Nuance's Dragon technology
- ❖ Heavily involved in task/defect management, software integration in QNX embedded systems and preparing software deliveries for customers
- ❖ Part of customer-facing team, involved in meetings with Tier-1 and OEM

AUTODESK | MAY 2016 – AUG 2016

3ds Max Software Development Intern

- ❖ Development of 3D Modeling, Animation and Rendering Software
- ❖ Optimized widely used legacy software in C++ and ensured that backward compatibility was completely maintained by thoroughly testing the changes
- ❖ Enhanced overall software security by fixing potential vulnerabilities

UBISOFT ENTERTAINMENT | MAY 2015 – AUG 2015

Generalist Programmer Intern – Animation Technology Group

- ❖ Software development in the Technology Group, working on the animation editor tool using C++ and C#
- ❖ Improved software performance by reducing memory usage by 5%
- ❖ Implemented a function to rearrange an undirected graph aesthetically

SILANIS TECHNOLOGY | MAY 2014 – AUG 2014

Software Engineer Intern

- ❖ Mapped REST API calls to the company's Java and .NET SDKs using TDD
- ❖ Wrote and maintained JUnit and NUnit tests
- ❖ Documented the SDKs in the company's DokuWiki and wrote JavaDocs and sample code for customers

MCGILL UNIVERSITY | NOV 2013

CodeJam @ McGill Hackathon

- ❖ 2nd place team out of more than 140 participants
- ❖ Developed in 48 hours a web application to display in real time a prediction of McGill's power consumption for a 16-hour window

RADIO IP INC | MAY 2012 – AUG 2012

Software Engineer Intern

- ❖ Ported the C/C++ source code to Android by configuring a Java Native Interface
- ❖ Implementation of the Google Maps API for the Android mobile client
- ❖ Designed a REST API in Java for the Android development environment