Xavier Sit

✉ chiwingsit@gmail.com
🌐 www.xaviersit.com
in /in/xaviersit
○ /chiwingsit
📞 +1-438-880-3190

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

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

PROJECTS

CUSTOMIZABLE PASSWORD

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

TRAVELLING SALESMAN PROBLEM

Computed an approximate solution of the travelling salesman problem using simulated annealing

LEGO NXT ROBOT

Built an autonomous robot with Lego NXT Kit and implemented a navigation algorithm in Java

32-BIT PROCESSOR

Implemented and tested a 32-bit MIPS pipeline processor in VHDL

FAST FOURIER TRANSFORM

Designed an optimized convolution algorithm for FPGA using Fast Fourier Transform

Experience

AUTODESK | MONTREAL, QC, CANADA

MAY 2016 – AUG 2016

3ds Max Software Development Intern

- ❖ 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 | MONTREAL, QC, CANADA

MAY 2015 – AUG 2015

Generalist Programmer Intern

- ❖ Software development in the Technology Group, working on the animation graph editor tool using C++ and C#
- ❖ Improved software performance by reducing memory usage by 10%
- ❖ Implemented a function to rearrange an undirected graph aesthetically

APPVELOPPERS | MONTREAL, QC, CANADA

MAY 2014 – MAY 2015

Android Developer

- ❖ Development of an open source Android mobile application for students to access the university portal with a team of undergrad McGill students
- ❖ The application received great reviews and has been downloaded more than a 1,000 times on the Google Play Store

SILANIS TECHNOLOGY | MONTREAL, QC, CANADA

MAY 2014 – AUG 2014

R&D 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 | MONTREAL, QC, CANADA

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 | LONGUEUIL, QC, CANADA

MAY 2012 – AUG 2012

Software Engineer Intern

- ❖ Ported the C/C++ source code to Android by configuring a Java Native Interface
- ❖ Developed a REST API in Java for the Android mobile client