Derrick Guo

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EDUCATION

UNIVERSITY OF WATERLOO
BACHELOR IN COMPUTER SCIENCE
Expected Apr 2021 | Waterloo, ON
Business Option
Faculty of Mathematics
Cum. GPA: 3.9 / 4.0

BACHELOR IN STATISTICS
Expected Apr 2021 | Waterloo, ON
Faculty of Mathematics
Data Science Option
Cum. GPA: 3.9 / 4.0

LINKS

Github:// h59guo
LinkedIn:// Derrick Guo
Click to visit my personal website

COURSEWORK

UNDERGRADUATE
Operating Systems
Algorithms
Compilers
Database
Objected Oriented Programming
User Interface

SKILLS

PROGRAMMING
Experienced:
• C++ • Python • JavaScript • Java • C
• MatLab • Linux • MIPS • R

Familiar with:
• C# • SQL • XSLT • Swift
• HTML5 • CSS3 • LaTex

AWARDS

• Dean's Honors list (Average above 87%):
Winter, Spring 2018; Winter 2017; Fall
2016
• Faculty of Mathematics Entrance
Scholarship (September 2016)
• Top 1% in Euclid Mathematics Contest
(May 2016)
• International Experience Scholarship
(September 2016)

SUMMARY OF QUALIFICATIONS

- Experienced in Object-Oriented Programming languages such as **C++** and **Java**
- Excel in Android application development with **Java** and library implication with **C++**
- Proficient in front-end websites development with **jQuery** and **JavaScript**
- Highly experienced with **Linux**, **MacOS** and **Windows** System
- Familiar with **Agile** Development Methodology and capable of finishing tasks in strict deadlines
- Self-motivated and quick learner, passionate about exploring new technologies

EXPERIENCE

HUAWEI CANADA | SOFTWARE ENGINEER
January 2019 - April 2018 | Markham, ON
- Worked on end-to-end **C++ library** and **Android Application** development for **Slow Motion Engine** on Huawei smartphones
- Built a complete automation testing platforms with **Python** for comparing accuracy of different face recognition models
- Implemented **Jenkins** the automated testing pipeline for end-to-end testing for Huawei's **Video Analysis Engine**
- Gained experience in **Android development** and knowledge of training **Neural Network** and usage of **Jenkins**, **Docker** and **GPU Farm**

SAP CANADA | SOFTWARE DEVELOPER
May 2018 - Aug 2018 | Waterloo, ON
- Worked on developing **Page Object Model** and maintaining barrier's stability
- Participated in feature enhancement development for the **handsontable** of SAP HANA User Interface
- Improved coding skills in **JavaScript** and knowledge in **asynchronous** asynchronous programming languages
- Gained experience with POM development in component testing with **Selenium** and fixing flickering test scripts for User Interfaces

NULOGY CORPORATION | SYSTEM INTEGRATION DEVELOPER
Sep 2017 - Dec 2017 | Downtown Toronto, ON
- Worked on building **transforms** using **XSLT**, designing maps in Axway map designer and dealing with unplanned customer requests
- Developed the **Nulogy 945, 940 Connector Projects** and B2Bi Migration Project that are still being used by Nulogy

PROJECTS

WLM COMPILER | CS 241 FINAL PROJECT
- Implemented using **C++**, functioned as a full compiler of the language WLM (a subset of C)
- Obtained experience with **C++ standard library**, coding skills in MIPS, and knowledge of the way compiler works

LITTLE CRAZY ZOMBIE | 2018 UNITY GAME JAM
- An RPG game similar to Contra implemented using **Unity and C#**
- Developed abilities to work under strict time restriction by finishing the game from scratch in 36 hours