Nick Simone

Software Developer

Education

Computer Science B.Sc. Honours

Carleton University, Ottawa, Ontario

September 2016 - April 2020

- Graduated with a GPA of 3.8
- Made the Dean's List each year and maintained an academic scholarship throughout

Work Experience

Software Developer - Robotics (Co-op)

Ross Video Ltd, Ottawa, Ontario

May 2019 - August 2019

- Updated a web tool for automatic generation of rails using ASP .NET
- Added functionality to a robotics control system using C# and XAML (WPF)
- Developed robotics firmware using C++

Software Quality Assurance Analyst (Co-op)

Global Affairs Canada, Ottawa, Ontario

May 2018 - August 2018

- Executed test cases in order to ensure systems were bug-free
- Filed and submitted bug reports containing an analysis of each bug found
- Wrote test cases based on system requirements

Teaching Assistant

Carleton University, Ottawa, Ontario

January 2018 - April 2020

- Worked in courses Introduction to Computer Science II, Systems Programming, Introduction to Software Engineering, and Applied Cryptography
- Led tutorials, held office hours, and graded assignments and exams to increase students' knowledge of Java, C++, and C programming in a Linux environment

Applied Projects

Honours Project - Score Editor's Graphics Framework

Added new features to a web application using HTML, JavaScript, and XML that uses SVG graphics to render sheet music.

Carleton University Animal Care System (cuACS)

Planned and developed a computer program in C++ (with the Qt framework) using a matching algorithm to produce an optimal set of matches based on animal shelter client preferences and animal attributes.

Contact Details

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LinkedIn

Links

Website
GitHub

Programming Languages

Python	JavaScript
Java	Visual Basic
C	Haskell
C++	Prolog
C#	Bash
Go (Golang)	.NET

Other Technologies

Git	Node.js
SVN	React.js
Linux	JSX
LaTeX	HTML
WPF	CSS
XML	SQL
XAML	MongoDB
Qt	Docker
JavaFX	Kubernetes

Security Skills

Familiar with modern cryptosystems (AES, RSA, ECC) and the SSL and TLS protocols.