

# 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 XML
- 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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[GitHub](#)

[LinkedIn](#)

## Programming Languages

Python	JavaScript
Java	Visual Basic
C	Haskell
C++	Prolog
C#	Bash
Go	

## Other Technologies

SQL	NodeJS
Linux	MongoDB
LaTeX	JavaFX
HTML	Git
XML	SVN
Qt	CSS
Docker	Kubernetes
JSON	

## Security Skills

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