

Nishanth Balamohan

CONTACT INFORMATION

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EDUCATION

McMaster University, Hamilton, Ontario

September 2014 – 2018

Candidate for Bachelor's of Engineering specializing in Software Engineering (Embedded) (Co-op)

SKILLS SUMMARY

Programming and Scripting Languages: Java, Python, C++, HTML, CSS, Maple, Matlab, NASM, Shell Scripting

Software and Technology: Git, Autodesk Inventor, Verilog, L^AT_EX, Eclipse, IntelliJ IDEA, PyCharm, CLion, Microsoft Office Suite, STM32F429I Discovery Board, MapleSim, Altera DE2 Board, Arduino Uno

Languages: French, Tamil

PROJECTS

PROJECT: Hermes

Summer 2016

- Designed software that utilized data from smartwatches to monitor the user's heartrate and detect any abnormalities
- Led the design of the communications modules implementation using Cisco's Tropo cloud API

Blue Lines: Crimes in Chicago

Winter 2016

- Designed a data science project that studied crime in Chicago using government databases
- Implemented searching and sorting algorithms to help visualize data
- Employed Agile development practices with regular scrum meetings
- Technologies used: Python, pandas, and sqlite3

SixManMorris

Winter 2016

- Designed the medieval board game using the MVC software architectural pattern
- Implemented Java and the Java Swing library to create the GUI of the game

Expression Engine

Autumn 2015

- Developed a calculator that solves simple mathematical expressions in C++
- Enabled the program to parse through expressions of type string and solve them

WORK

EXPERIENCE

AJR Window Technologies, North York, ON

May 2016 – August 2016

Window/Door Installer

- Displayed time managements skills while removing and replacing windows at an efficient pace
- Worked with customers to make sure everything was to the expected standard
- Maintained a clean work area demonstrating organization skills to enhance working conditions for other team members

Tim Hortons Scarborough, ON

August 2013 – August 2014

Team Member

- Operated a cash register and received payment from customers in cash or credit card
- Received Golden Tim Hortons Card for outstanding customer service
- Maintained solid knowledge of products and services available

EXTRACURRICULAR

ACTIVITIES

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- MAC Formula Electric
 - Cisco DevNet Hackathon 2016
 - HacktoberFest 2016
 - BostonHacks 2016