Jonathan Brown

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EDUCATION

Bachelor of Engineering McMaster University, Hamilton, Ontario, expected April 2018
Concentration: Software Engineering
- In-Major GPA: 3.92
- GPA: 3.89
- 2014/2015 Deans' Honour List

TECHNICAL SKILLS

Languages: Proficient in C# and Java. Experience with C++, Python and x86 assembly.
Software Libraries and Tools: openCV and Tesseract, git, Eclipse.
Other: Experience using the Arduino prototyping platform.

PROJECTS

BillForMe - In Progress
- Windows application written in C# used to automate entry of patient billing information.
- Uses openCV to process images of billing cards before using tesseract as an OCR engine.

Flashlight Tracker
- Rotating platform powered by stepper motor tracks a light source in a dark room.
- Device uses the an Arduino and a set of LDRs to determine the location of the light source relative to the base.

Sudoku Puzzle Solver
- Program written in python used to solve sudoku puzzles.
- Uses GUI created using a basic graphics library published by John Zelle.

WORK HISTORY

Electrical/Electronic Support Technician   Summer of 2015
Edwards, Owen Sound, ON
- Independently assembled, wired, and tested electronic equipment used in large scale fire alarm systems.
- Wrote rules and edited designer rulesets that dictate the behaviour of fire alarm systems.

Lifeguard   Summers 2013 and 2014
Story Book Park, Owen Sound, ON
- Maintained the safety and comfort of patrons using the park facilities.
- Ensured guests followed company safety policies.