Aditya Thakkar

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Relevant Skills

Coursework	Software	Currently Learning
Data Structures/Algorithms, Statistics, Programming, Logic Design	Java, C/C++, HTML/CSS, Javascript, Python, Linux, MATLAB/Simulink, SQL, Scikit-Learn	Node.js, MongoDB, Angular.js, Tensorflow

Education

McMaster University — Expected May 2018

- **Bachelor of Engineering (Co-op)** – Electrical Engineering Major | Minor in Biomedical Engineering
- **Awards**: Dean's Honour List, McMaster Entrance Award

Stanford University – Coursera — June 2017

- **Machine Learning**

Experience

Research Student — May – Aug 2016

Hospital for Sick Children (SickKids) — Toronto, ON

- Designed and implemented a **robotic etching system** for cranial remodelling using **Solidworks**
- Developed mathematical model to simulate entire system using **MATLAB/Simulink**
- Used **Arduino** to control **stepper/ DC motors** and interface with the control computer
- Added silicone **3D functionality** to existing 3D printer
- *Project Final Presentation*

Quality Assurance Analyst (Co-op) — May - Aug 2015

PointClickCare — Mississauga, ON

- Worked in a small **team** to write code for the tax letters functionalities on the PCC web application using **Java**
- Wrote automated **test scripts** to thoroughly test web application scenarios in **Java** using **Eclipse** and **SVN**
- Used **SQL** to access and modify databases
- Used **Jira** and **TestRail** to monitor task progress and ensure peak team efficiency

Relevant Projects

Handwritten Number Recognition | *Github Code*

- Classify handwritten digits using neural networks – resulted in **97%** accuracy

Personal Website | *adityathakkar.github.io*

- Website coded using **HTML/CSS** and **Bootstrap** to make responsive pages

Oscilloscope Design | *Github Code*

- Used **Esduino** to get voltage signal from a transducer, display it in real time using **C** and **MATLAB**

Leadership

President - Bioengineering At McMaster Society (BEAMS) — Mar 2016 – April 2017

- **Lead a team of 15 executives** to run events for biomedical engineering students at McMaster University
- **Doubled student attendance** at all events through better outreach strategies and event planning