TYLER MAINGUY

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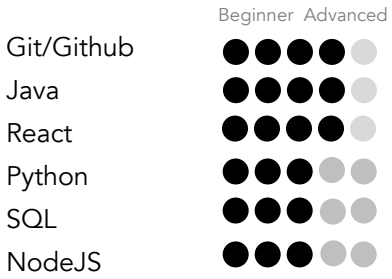
OBJECTIVE

To gain hands on experience with machine learning, web development, and general software engineering. I have always been fascinated and intrigued by these fields, and how they are constantly changing and developing. My experience and hard work ethic make me a great fit on any team. I am always looking to deviate from the status quo, constantly searching for the best way to solve any problem I face.

SKILLS



EDUCATION

Queen's University **Sept. 2017 – Present**

- 3rd year, Honours Bachelor of Computing and Mathematics [CGPA: 4.13/4.30]
- Queen's Dean's Honours List
- Full first year credit transfer from University of Guelph [CGPA: 91.4%]

EXPERIENCE

Software Development Intern at DemandHub **May 2018 – Aug. 2018**

- One of the first three hires to a VC-funded startup, fifth employee in the company
- Researched and developed the entire test harness from scratch for both the existing front-end codebase, and the back-end REST API (testing done in Jest and Enzyme)
- Full stack development of web application components using ReactJS, Node, and MySQL

Teaching Assistant at Queen's University **Sep. 2018 – Present**

- Teaching assistant in CISC 124, a 2nd-year computing course designed to teach students object-oriented design, architecture, and programming. Also, a TA for CISC 271, a 2nd-4th year class focusing on linear data analysis (linear equations, PCA, matrix decompositions, linear regression).
- Hosting tutorials/labs where I assist students in understanding material provided in lecture, along with assistance on exercises and assignments, and quiz/exam review
- Grade assignments submitted throughout the semester
- Proctor and grade various term tests

Software/Machine Learning Engineer at Queen's **Sep. 2018 – Present**
Machine Learning and Neuroevolution Design [QMIND]

- Project in conjunction QMIND's Mars Rover team in conjunction with QSET (Queen's Space Engineering Team)
- Developing an object detection system to assist in the automated driving of a Mars rover
- Developed a scraper capable of pulling images to be manipulated and used for our training set