

Employment

Web Application Developer	McGill University	Sept 2017 - Present
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Music Perception and Cognition Lab

- Implemented user authentication by leveraging the Django web framework.
- Created and implemented a Query model to allow users to save selected queries, dramatically improving re-search efficiency.
- Redesigned several webpages and used Bootstrap to improve user experience.
- **Technologies:** Python, HTML, CSS, PostgreSQL, Django REST Framework

Teaching Assistant	McGill University	Sept 2017 - Dec 2017
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- Course: Calculus III.
- Prepared and taught weekly tutorials to fellow undergraduate students.

Research Assistant Intern	New England Biolabs	May 2017 – Aug 2017
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- Conducted assays and analyzed capillary electrophoresis data in support of a novel method in PCR-free Next-Generation Sequencing that minimizes GC-bias and increases DNA-sequencing fidelity.
- Presented findings to researchers in a seminar.

Education

Montreal, QC	McGill University	Sept 2016 - Present
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- B.S. in Honours Computer Science and Biology, Expected April 2020. In-major GPA: 4.0.
- Undergraduate Coursework: Algorithms and Data Structures; Calculus III; Computer Organization; Database Systems; Discrete Structures; Mathematical Statistics; Probability; Software Systems

Singapore	National University of Singapore	Jan 2018 - May 2018
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- Exchange Semester.

Winchester, MA	Winchester High School	Sept 2012 - June 2016
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- Graduated 2016. GPA: 4.23/4.5.

Technical Experience

Projects

- **Ride-Sharing Application** (2018). Web application that lets users carpool and search for rides based on various search parameters. HTML, PHP, PostgreSQL
- **Dungeon-Crawler Game** (2017). Text-based game where user types inputs to fight a dragon, collect coins, and navigate a dungeon. C, Python, HTML

Awards

- **National AP Scholar (2016):** Took 10 AP Exams throughout high school and earned a 5 on every exam.
- **AIME Qualifier (2015 – 2016):** Qualified for the American Invitational Mathematics Examination, by placing in the top 5% on the AMC 12 high school mathematics contest.
- **Moody's Mega Math Challenge Honorable Mention (2015):** Finished top 50 out of 1128 teams in a 14-hour mathematical modelling competition to quantify and consider the total costs, expected earnings, and lifestyle factors resulting from a college education, comparing the earning potential of various career paths.

Languages and Technologies

- Bash; C; C++; HTML; Java; Python; SQL
- Linux; Windows; Django; Eclipse; Git