Toronto, Canada
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JASMEET BRAR

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EDUCATION

Mississauga, ON   **University of Toronto**   **Expected Grad. June 2020**

- Candidate HBSc in Computer Science, Mathematics & Statistics with GPA: 3.65
- Enrolled in Computer Science Specialist and Math Minor
- Related coursework: Algorithms, Operating System, Information Security, Scalable Computing, Databases, Data Structures, Computer Organization, Machine Learning, Neural Networks

SKILLS

- **Programming & Markup Languages**: Python, Java, C/C++, HTML, CSS, PHP, JavaScript, SQL, ASM
- **Libraries and Frameworks**: JQuery, Bootstrap, NodeJS, ReactJS, Webpack, NumPy, SciPy, Matplotlib
- **Databases**: MySQL, Postgres, MongoDB, DynamoDB
- **Other**: Linux, Git, Scrum, GDB, AWS, Docker, Unity 3D (Familiar), Excel VBA, Laravel

PROJECTS

- **Simple-C Compiler** (2020). Currently working on a compiler that can compile a simplified version of C to Assembly or x86-64. C++, CMake, CTest.
- **Simple-Toy-Language Compiler** (2019). Worked in team of 4 to develop a compiler that can compile a simple programming language into instructions that a VM can execute. Java, Apache Ant, JCUP, JFlex
- **AWS r/Place Project** (2018). Worked in a team to recreate a popular online canvas by implementing an architecture that is responsive and scalable. AWS, DynamoDB, Reddis, ECS (Docker), NodeJS
- **Scalable URL Shortener** (2018). Worked in a group to create a URL Shortener based on a scalable load-balancing architecture with self-recovery and constructed a monitoring tool. Java, HTML
- **Online Multiplayer Game** (2017). Helped in creating a multiplayer game on the web. NodeJS, ReactJS, Webpack, MongoDB, HTML, CSS, JavaScript, JQuery
- **School Meetup App** (2017). Worked in a group of 7 to develop a website where students can connect with other students by mutual activities. HTML, CSS, PHP, Postgres, Scrum
- **Book Exchange Website** (2017). Developed a website that allowed students to buy/sell textbooks. Laravel
- **Raspberry Pi Webserver** (2017). Installed a webserver on a Raspberry Pi in order to have it host personal websites. LAMP, bash, iptables
- **Paint Application** (2016). Developed a paint application as part of a group assignment. Java, Git, Scrum
- **Cottage Business Website** (2014). Developed a website for a teacher's cottage business as part of a culminating activity. HTML, CSS, PHP, SQL, JavaScript, JQuery, Bootstrap, MySQL

WORK EXPERIENCE

Software Developer   **Finneo**   **Jun 2019 – Aug 2019**

- Assisted the software team in developing a new website for the firm
- Used JIRA to track tasks, and Slack to communicate with other developers in an agile environment
- Used ReactJS with Ant Design Framework and Styled Components to develop the frontend
- Used React Google Maps API to add Google Maps to some pages

Systems Analyst   **Amhil Enterprises**   **May 2018 – Aug 2018**

- Assisted the IT team in automating tasks in Outlook using VBA and VBScript
- Coordinated with the systems programmer in generating queries for MS SQL using T-SQL
- Helped others by diagnosing and troubleshooting PC issues related to Windows or hardware
- Used TrackIt in tracking inventory, and generating work orders for the IT team

VOLUNTEER EXPERIENCE

Note Taker   **University of Toronto**   **Jan 2016 – Dec 2017**

- Provided notes for 7 courses to UTM's AccessAbility Resource Center to aid those in need

AWARDS AND ACHIEVEMENTS

- **MCS Delta Honours Award** (2015-2017). Earned 90% or more in two CS/Math courses (Awarded twice)
- **Dean's List Scholar** (2016-2018). Achieved GPA of at least 3.50 (Awarded twice)
- **MCSS Coding Competition First Place Winner** (2016). Earned the most score in giving correct solutions to various programming problems
- **Erindale Admission Scholarship** (2015). Awarded to students with an admission average of 88% or above