**MOHAMED MOUSTAFA**

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**EDUCATION**

**University of Toronto – Toronto, Canada** *Aug 2020*

Honours Bachelor of Science, Computer Science

University of Toronto Scarborough Letter Award (2020)

**SKILLS**

**Languages**: Proficient in C/C++, JavaScript, TypeScript, Java, Python

**Frameworks:** React, NodeJS, LLVM, Flask, Material UI

**EXPERIENCE**

**University of Toronto – Toronto, Canada**

*Teaching Assistant, Computer Science**Sep 2017 – Present*

* Utilized techniques in education to design and deliver engaging lessons in the form of weekly tutorials, teaching over 200 students to date
* Encouraged student improvement through constructive feedback provided while marking courses evaluations such as assignments, midterms, and exams
* Taught the following courses: Introduction to Computer Science I & II (6x), **Operating Systems (2x)**, Principles of Programming Languages, **Software Design**

*Software Engineer & Researcher May 2018 - Aug 2018*

* Recipient of the Undergraduate Student Research Award from the Natural Sciences and Engineering Research Council of Canada, valued at over **$5,700 CAD**
* Developed Python scripts to retrieve and analyze information from multiple sources, which was then tested using the chi-square test to discover significant results within the data set
* Co-authored a paper that was accepted to **SIGCSE 2019**, a major conference in Computer Science

**Ontario Ministry of Education – Toronto, Canada**

*IT Architecture Assistant**Sep 2017 – Dec 2017*

* Engineered an in-house search engine solution for effective querying of ministry documents, which was previously done manually over the course of several weeks, using **Spring Boot**, expediting the knowledge collection phase
* Utilized **OracleXE**, **Java**, and **IBM’s Watson API** to create module object models and create a standardized scoring system for document searches

**LEADERSHIP**

**Instructional Centre II Project Planning Committee - Toronto, Canada**

*Student Member Aug 2018 – Present*

* **Sole student member** on a committee responsible for planning an instructional building that will provide classrooms for over 2000 students
* Members of the committee include the **Chief Administrative Officer** of the campus, **multiple deans**, several professors, and two teams of architects

**Association of Mathematical & Computer Science Students - Toronto, Canada**

*President May 2018 – Apr 2019*

* Held various leadership positions in a student organization responsible for advocating for over 1500 computer science, statistics, and math students on campus. Joined in Sep 2016 and became the president of the organization in May 2018
* Collaborated extensively with faculty and admin staff, building strong relationships with the chair of the department and various professors

**Hack The Valley - Toronto, Canada**

*Organizer Sep 2016 – Feb 2018*

* Hack The Valley is an internationally recognized 36-hour hackathon that brings in over 3000 applications from across 4 continents
* Managed a team of more than 22 volunteers, mentors, and other staff members, resulting in smooth logistics for 300+ attendees, and stellar reviews regarding customer service
* Spearheaded the attendee registration, food, equipment usage, and sponsored workshops, ensuring on time support was always available