JUNE OH

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EDUCATION

University of Toronto   Toronto, ON
B.Sc. in Computer Science | 3.9/4.0 GPA   *2019 – 2024*

Courses: Software Design, Data structures & Analysis, Databases, Systems Programming, Theory of Computation.

Awards: Helen Mae Woodliffe Academic Scholarship – Top 8% (2021), Dean's List Scholar (2020, 2021).

SKILLS

Programming: JavaScript (Node.js), Python, Java, SQL, C, HTML/CSS
Frameworks: React.js, Express.js, Bootstrap, Spring Boot
Tools: Git, Google Cloud Platform, Heroku, Postman
Databases: MongoDB, Firebase, PostgreSQL

EXPERIENCE

IBM Canada   May 2022
Software Developer Intern   *Toronto, ON*
- Incoming software developer intern.

Decision Neuroscience   September 2021 – April 2022
Software Developer Intern (part-time)   *Toronto, ON*
- Developed highly interactive web programs in **JavaScript** to produce quantitative data from the participants.
- Implemented features for an iOS app using **HTML**, **CSS**, and **JavaScript** with the **RKStudio** framework.
- Collaborated with the RKStudio engineering and product team to troubleshoot an issue in the framework, **preventing further production bug** occurrences.
- Contributed to The Experiment Factory, an **open-source project**, authoring 7 new features in total.

PROJECTS

RateMyLibrary
- Developed a web app for sharing and reviewing study spots in all 42 libraries on campus.
- Structured a **Node.js REST API** to support CRUD operations with **MongoDB** and **Firebase**.
- Created a **Python** web-scraping script to seed the **MongoDB** database.
- Applied **geocoder.ca API** and **Mapbox API** in tandem for forward and reverse geocoding, respectively.

Boulder grader
- Created a platform for climbers to collectively grade boulder problems at the gym.
- Developed a **Node.js REST API** for the **React.js** client and **PostgreSQL** database.
- Designed and implemented a dynamic frontend using **React.js** and **React hooks**.

Spotty App
- Developed a Spotify companion app in **Java** while adhering to the **SOLID design principles**.
- Collaborated with 5 developers while using **Git** and **Github** as the VCS.
- Implemented two **search algorithms** in **Java** using the **Strategy design pattern**.
- Achieved 'statefulness' between **HTTP requests** by using **Spring controllers** and client-side JS.

Automation script
- Authored a **Python** automation script for data cleaning and analysis.
- Processed the protein data from the NCBI database to facilitate the biochemistry research.
- Reduced the time for data-cleaning by **2 hrs/protein**, saving **4-6 hours** a week on average.

LEADERSHIP POSITIONS

AIESEC in Toronto   Jan 2021 - April 2021
Project & Technology manager   *Toronto, ON*
- Supervised 20 students to deploy 4 community projects dedicated towards UN's sustainable development goals.
- Initiated outreach to **over 100** secondary schools and had more than **50 students** register for the pilot project.
- Improved the team's productivity by **over 200%** by using **HubSpot** and **Python** to automate outreach processes.