

EMPLOYMENT

Royal Bank of Canada, Technical System Analyst

Sept 2019 - Present

- Developing new features for backend application that access a SQL server database
- Assisting with database modeling & design, improving performance, enhancing security, and debugging

DeltaHacks V, Volunteer - McMaster University

Dec 2018 - Jan 2019

Duties include but not limited to:

- Helping hackers with their core ideas
- Assisting hackers to rectify problem

Team Member/ Volunteer - Able Youth NGO

Oct 2016 – May 2017

- Improving the quality of life for people living in villages in general, with a specific focus on assisting orphans, widows and their children, by offering medical services, education, and vocational activities in an environment that is affordable, congenial and rural based.

EDUCATION

McMaster University - Hamilton, ON

Sept 2017 – Present

- Enrolled in B.A.Sc. in Computer Science, Class of 2021.
- Undergraduate Coursework: Software Foundations; Computer Architecture; Algorithms; Programming Languages Comparison of Learning Algorithms; Computational Theory; Calculus I; Discrete Mathematics II.

TECHNICAL EXPERIENCE - Projects

- **SafeParkingZone-Android app** (2019). Using Java (android Studio), created a navigation app for the city of Chicago to show the nearest/safest (heat map) parking spots in respect to user's location.
- **TruPhase @BostonHack** (2018). Using BOSE's API, Python as back end language, and Arduino's microphone to record device's output for any discrepancy by comparing the frequency with predetermined database.
- **Math library:** (2017). Using Haskell to create a math arithmetic library that answers factual queries.
- **Conway's game of life & Forty Thieves Solitaire:** (2019). Using C++ to create games with both automated option and user defined.

ADDITIONAL EXPERIENCE AND AWARDS

- **Challenge Winner (2018):** Won BostonHack's OneDB challenge that uses OneDB cloud service to perform multiple algorithms.
- **Math 1ZA3 (2017):** Scored 3.9 GPA in Engineering Math
- **COMPSCI 2S03 (2018):** Scored 3.9 GPA in Principles of Programming
- **Scholarship (2015 - 2017):** Awarded for Extraordinary sports accomplishments.

Languages and Technologies

- C++; Java; Python; C#; SQL; C; Assembly Language (NASM); Linux/Unix server; Bash Scripting; make; LaTeX; Django; Git; Kubernetes, Agile, Hadoop

Technologies/Software:

- Android Studio; XCode; Final Cut PRO; Microsoft SQL Server; Eclipse; Jupyter Notebook; TeX; Microsoft Office (365)

Links

- Portfolio - tanejs4.github.io/
- LinkedIn - www.linkedin.com/in/shivam-taneja-3a7467b4/