

## EMPLOYMENT

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### 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
- Maintaining and Configuring Infrastructure as a Service and Platform as a Service.

### 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

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### 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

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- **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

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- **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

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

Technologies/Software:

- Android Studio, Visual Studio Professional, Final Cut PRO, Microsoft SQL Server, Eclipse, Jupyter Notebook, Terminal, Microsoft Office (365)

## Links

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- Portfolio - [tanejs4.github.io/](https://tanejs4.github.io/)
- LinkedIn - [www.linkedin.com/in/shivam-taneja-3a7467b4/](https://www.linkedin.com/in/shivam-taneja-3a7467b4/)