

EMPLOYMENT

Developer (Agile Infrastructure) - Royal Bank of Canada

Jan 2020 – present

- Build tools and web applications to assist with automation efforts.
- Upgrade, maintain, troubleshoot, and configure current or new infrastructure platforms.
- Automate the process of indexing millions of records while doing data deduplication, with AI analytics to mitigate incidents.

Technical System Analyst - Royal Bank of Canada

Sept 2019 – Dec 2019

- 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

Mentor - DeltaHacksVI

Dec 2019 - Jan 2020

- Duties included helping hackers(attendees) with technical support (Python, Django, SQL, C#, RESTful framework) and assisting hackers to rectify problems.

EDUCATION

McMaster University - Hamilton, ON

Sept 2017 – Present

- Enrolled in B.A.Sc. in Computer Science, Class of 2022.
- Undergraduate Coursework: Software Foundations; Computer Architecture; Algorithms; Programming Languages Comparison of Learning Algorithms; Computational Theory; Calculus I; Discrete Mathematics II.

TECHNICAL EXPERIENCE – Projects

- **Magneto (React, Python, Django)** (2019): Reward/Loyalty points tracking app that tracks your loyalty points, displays nearby stores, how to apply and redeem loyalty points.
- **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

- **Top 5 in Innovation Challenge (Falls 2019):** RBC inhouse hackathon-styled challenge lasting 4 weeks to prepare an idea with business, technical and impact on livelihood. [\[Magneto\]](#)
- **Challenge Winner (2018):** Won BostonHack's OneDB challenge that uses OneDB cloud service to perform multiple algorithms.
- **Math 1ZA3 (2017) & COMPSCI 2S03 (2018):** Achieved grade A (3.9 GPA).

Languages and Technologies

- Python, C#. C++, Java, C#, SQL, C, React (JS and Native), Bash Scripting, LaTeX, Django, Git, Hadoop, Oracle, ASP.NET, DSL Query.

Software/Skills:

- Elasticsearch, Kibana, Logstash, Android Studio, Visual Studio Professional, Final Cut PRO, Microsoft SQL Server, Eclipse, Jupyter Notebook, Terminal, Microsoft Office (365), Kubernetes, Agile.

Links

- Github - <https://github.com/TANEJS4>
- LinkedIn - www.linkedin.com/in/shivam-taneja-3a7467b4/