

## Skills

**Programming:** Python, Java, C, C++, C#, Haskell, Scheme

**Web Development:** MEAN Stack (In progress), TypeScript, JavaScript, PHP, CSS, HTML

**Database/Data Processing:** Db2, InfluxDB, MongoDB, SQL, XQuery

**Version Control:** Git, ClearCase, SVN

**Software Methodologies:** Software Architectural Design, Test Driven Development, OOP, DevOps, SDLC, Design Thinking

## Experience

**Full Stack Software Developer | Peak Power**

July 2020 – Present

- Building Insight Platform
- Energy Storage as a Service
- Vehicle to Grid

**Software Development Team Lead | IBM**

February 2019 – July 2020

- Lead a project to create an API which acted as a standalone service that automates the process of investigating failures within Db2. The software is built on top of Python and Golang, containerized as a RESTFUL service using Docker.
- Manage Db2's functional verification team of 11 developers and QAs, to ensure Db2's transition from development to production stage with minimal errors in all components.

**Teaching Assistant Supervisor | University of Toronto**

September 2016 – December 2018

- Acquired Professor's endorsement to become a TA supervisor through displaying great leadership and teaching skills along with great understanding of course materials.

**Digital Quality Engineer | Royal Bank of Canada**

May – August 2017

- Within one month, optimized the online application by minimizing the fields that are required to complete the application and enhanced compatibilities with mobile devices on IOS and Android.
- Sped up the production release by a week for online account open application for mobile testing. As a result, it reduced unnecessary time allocation and increased tasks competition.

**Technical Quality Assurance Analyst | Royal Bank of Canada**

May – August 2016

- Became the meeting leader for the Change Advisory Board by showing great understanding in the daily software changes of the Technology & Operations department.
- Reduced the number of HP ALM ticket requests and service delay by over 80% through direct communication with clients

**Developer/Testing Analyst | Ontario Teachers' Pension Plan Board**

January – August 2015

- Designed and developed a C# comparison tool to secure data integration from enterprise database to enterprise data warehouse. As a result of my outstanding performance, managers from Service Delivery team, and RSR Quality Assurance team asked me to assist them as well.

## Projects

**Matplotlib Contribution | University of Toronto**

January – April 2018

- In a team of five, submitted different bug fixes and implemented many new features such as Axis Swap, Bullet Graph, and Percentile lines for violin plot to open source project Matplotlib written in Python. Due to our outstanding work, two bug fixes were accepted to the main repository.

**Exoplanet Database System | University of Toronto**

September – December 2016

- Presented and approved by the Astrophysics Professor, a python application to automatically update an existing exoplanet database managed by the professor. This team project practiced Agile (Scrum) methodology. Major Features included command line control, and data comparison from NASA and the Extrasolar Planets Encyclopaedia.

## Extracurricular

**Financial Literacy Mentor | JA Canada**

April 2019

- In collaboration with IBM, volunteered to be mentor for the financial literacy program Dollar with Sense (DWS). Students get the tools they need to make smart financial decisions and learn personal money management skills that they can apply to their lives starting at a young age.

**ADaPT (Advanced Digital and Professional Training) Program | Ryerson University**

June – July 2016

- In collaboration with RBC, acquired a certificate in areas such as Microsoft applications, professional business documentation, financial and accounting, Adobe digital art, and web design.

**Mentor in UTSC Co-op Program | University of Toronto**

September 2016 – April 2017

- Endorsed to speak as a senior co-op panelist at the Navigating the World of Work Conference UTSC by the engagement coordinator through my outstanding performance in of all my co-op work terms.
- Received university co-curricular record for guiding and role modeling as a mentor in Department of Student Life Association and Co-op Student Association

## Edu

**Honours Bachelor of Science**

2013 – 2018

University of Toronto

Specialist in Computer Software Engineering Co-op Program