

Jason Tang

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Professional Experience

Software Developer Intern

Royal Bank of Canada - Amplify Team

May 2020 - August 2020

Toronto, Canada

- Developing a proof of concept cost analytics tool that identifies drivers of cost in real time, empowering business and finance leaders with meaningful and actionable insights to manage costs more efficiently.
- Reduced monthly forecast errors by 11.7% through utilizing aggregated real time cost data in time series models to identify cost trends, thus allowing executives to pinpoint cost optimization opportunities.
- Creating a ReactJS based dashboard to track key performance indicators and present the forecasted costs.
- Pitching the project to top level business executives and hundreds of RBC employees, attaining a position as the top internal team (out of 9 internal solutions) at the final project showcase exhibition.
- **Technologies Used:** SQL, NoSQL, Python, PyTorch, Flask.

Software Engineering Intern

University of Toronto Information Technology Services

May 2019 - August 2019

Toronto, Canada

- Piloted a real time recommendation engine for undergraduate course enrollment by utilizing historical student data and implementing collaborative filtering and content based recommendation techniques.
- Deployed models to Azure and developed web applications which provide a UI for the predictions.
- Automated job pay-band classification by optimizing Natural Language Processing models on past assessment records, reducing job evaluation time from the scale of weeks to days.
- **Technologies Used:** Python, JavaScript, Node.js, Azure, Keras, PyTorch.

Junior Developer

Sitewide Solutions

January 2019 - May 2019

Toronto, Canada

- Redesigned frontend ReactJS components to be mobile friendly, and engineered backend components to track assigned tasks in a web application for enhancing communication between site personnel.
- **Technologies Used:** C#, JavaScript, ASP .NET Core, ReactJS, Agile.

Experience

Teaching Assistant

University of Toronto - CSC148: Introduction to Computer Science

Extracurricular

- Instructed and mentored 30+ undergraduate students by delivering teaching and assessment activities.
- Contributed to the development of course materials — ensuring content achieves learning objectives.

Education

University of Toronto St. George

Candidate for Honours Bachelors of Science

Computer Science Major with Mathematics and Statistics Minors

Expected May 2021

cGPA 3.81/4.00

Skills

Languages Python, Java, SQL, JavaScript, C.

Frameworks Flask, ReactJS, PyTorch, Keras.

Tools Git, Unix, Bash, Android, Azure.