Jason Tang

1999jasontang@gmail.com 1999jasontang.github.io github.com/JasonTang99 (647) 974-6485

Professional Experience

Software Developer Intern

May 2020 - August 2020

Toronto, Canada

Royal Bank of Canada

- Developed a proof of concept cost analytics dashboard with React.js and Node.js that identifies cost drivers in real time, empowering business leaders with actionable insights to manage costs more efficiently.
- Reduced monthly expense forecast errors by 11.7% through utilizing aggregated real time cost data in time series models to identify cost patterns, thus allowing executives to pinpoint cost optimization opportunities.
- Pitched 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

May 2019 - August 2019

University of Toronto Information Technology Services

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 containerized 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

January 2019 - May 2019

Sitewide Solutions 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

Undergraduate Researcher

September 2020 - Present

University of Toronto - Robot Vision and Learning Lab

Toronto, Canada

• Exploring new approaches for performing task identification and boundary inference within the area of life-long continual learning for model based Reinforcement Learning problems.

Teaching Assistant

January 2020 - April 2020

University of Toronto - CSC148: Introduction to Computer Science

Toronto, Canada

• Instructed and mentored 30+ undergraduate students by delivering teaching and assessment activities.

Education

University of Toronto St. George

Expected May 2021

Candidate for Honours Bachelors of Science

cGPA 3.81/4.00

Computer Science Major with Mathematics and Statistics Minors

Skills

Languages Python, Java, SQL, JavaScript, C.
Frameworks Flask, ReactJS, PyTorch, Keras.
Tools Git, Unix, Bash, Android, Azure.