

# Jason Tang

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## Professional Experience

### Software Development Engineer

Amazon

July 2021 - Present

Toronto, Canada

- Constructing new workflow summarizing shipment details for third-party sellers to inbound their products to Amazon as part of the Fulfilled by Amazon program, allowing vendors to take advantage of our infrastructure.
- Exploring different approaches in using predictive analysis to automatically set shipment preferences for individual sellers based on past behaviour to reduce seller workload in the Fulfilled by Amazon process.
- Conducting security analysis and load testing to ensure the availability and confidentiality of our service.
- **Technologies Used:** ReactJS, JavaScript, AWS, Java.

### Software Developer Intern

Royal Bank of Canada

May 2020 - August 2020

Toronto, 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, attaining a position as the top internal team (out of 9 internal solutions) at the final project showcase exhibition.
- **Technologies Used:** SQL, Python, PyTorch, Flask.

### Software Engineering Intern

University of Toronto Information Technology Services

May 2019 - August 2019

Toronto, Canada

- 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.
- Deployed containerized models to Azure and developed web applications which provide a UI for the predictions.
- **Technologies Used:** Python, JavaScript, Node.js, Azure, Keras, PyTorch.

## Experience

### Undergraduate Researcher

University of Toronto - Robot Vision and Learning Lab

September 2020 - Present

Toronto, Canada

- Exploring new approaches for performing task identification and boundary inference within the area of life-long continual learning for image classification problems.

### Teaching Assistant

University of Toronto - CSC148: Introduction to Computer Science

January 2021 - April 2021

Toronto, Canada

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

## Education

### University of Toronto

Honours Bachelors of Science

Computer Science Major with a Mathematics Minor

September 2017 - June 2021

GPA 3.86/4.00

## Skills

**Languages** Python, Java, C, SQL, JavaScript.

**Frameworks** PyTorch, Flask, ReactJS, Keras.

**Tools** Git, Unix, Bash, Android, Azure.