

Jason Tang

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EDUCATION

University of Toronto

Masters of Science in Applied Computing

Sept 2022 – Dec 2023

University of Toronto

Bachelors of Science in Computer Science

Sept 2017 – June 2021

GPA: 3.86/4.00

TEACHING

Teaching Assistant — *CSC148: Intro to Computer Science*

January 2020 – April 2020,
January 2021 – April 2021

- Instructed and mentored 30+ undergraduate students weekly in online and in-person environments.
- Hosted office hours to clarify complex concepts and guide students through assignment work.
- Assisted in the development of new course material and exam questions.

Teaching Assistant — *CSC207: Software Design*

September 2022 – December 2022

- Graded and provided guidance on software design projects in adherence to Clean Architecture and SOLID design principles for 28 students divided into 4 teams.

EXPERIENCE

Amazon — *Software Development Engineer*

July 2021 – Aug 2022

- Designed key workflow features used by 500,000+ sellers to track 1.8 million shipments each week.
- Coordinated with 4 dependent teams to implement a partial failure process to display successfully retrieved data when other APIs fail, addressing upstream interruptions affecting 1,000+ sellers daily.
- Managed a \$150,000 budget to scale compute infrastructure by up to 300% in preparation for peak traffic events and to adapt to long-term customer usage shifts.

Royal Bank of Canada — *Data Science Intern*

May 2020 – Aug 2020

- Improved expense forecasting accuracy by 11.7% through a real-time analytics dashboard utilizing time series analysis with ARIMA and RNNs, automating the original 2 week manual process.
- Pitched to senior leaders and 300+ employees, attaining the top solution award out of 9 teams.

RESEARCH

Robot Vision and Learning Lab — *Research Assistant*

Oct 2020 – Feb 2022

- Assisted Professor Florian Shkurti in overcoming the impractical but commonly utilized assumptions of known task boundaries and identities in image-based continual learning, funded by LG Electronics.
- Distinguished boundaries on Split-CIFAR100 with 96.2% accuracy by adapting an energy-based method from out of distribution detection literature and reducing fluctuations with Kalman filters.
- Presented literature reviews and detailed potential approaches in biweekly progress reports.

SKILLS

Languages: Python, Java, SQL, JavaScripts, TypeScript, C.

Frameworks: PyTorch, Keras, ReactJS.

Tools: Git, Unix, Bash, AWS, Android.