

# Jason Tang

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## Professional Experience

### Software Engineering Intern

University of Toronto Information Technology Services

May 2019 - August 2019

Toronto, Canada

- Piloted a real time recommendation engine for student course enrolment — working end to end from the ideation stage with clients to the deployment of the pilot phase with the end users.
- Developed the UI for the web application in Javascript and Bootstrap with a Flask backend, allowing the clients to access and test a variety of different models I deployed as Docker images on the cloud.
- Documented the codebase and deployment processes to streamline future usage of tools and code.
- Automated job pay-band classification by optimizing Natural Language Processing models on historical assessment records, reducing evaluation time from the scale of weeks to days.
- **Technologies Used:** Python, JavaScript, Flask, 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 construction 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.

### How Much Do I Need

Android Application

Personal Project

- Implemented an android application in Java that records grades and calculates how much one needs to achieve a specified grade according to the syllabus and assignment weights.

### 2 Armed Bandits

Technical Blog

Personal Project

- Communicated concepts in Reinforcement Learning concisely by authoring an introductory level technical blog.

## Education

### University of Toronto St. George

Candidate for Honours Bachelors of Science

Computer Science Major with Mathematics Minor

Expected May 2021

cGPA 3.78/4.00

**Relevant Coursework:** Algorithms, Data Structures, Software Design, Databases, Operating Systems, Statistics, Linear Algebra, Calculus, Image Processing.

## Skills

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

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

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