

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, Keras, PyTorch, Flask, Azure.

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 3.73/4.00

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

Skills

Languages Python, Java, JavaScript, C.

Frameworks ReactJS, Flask, PyTorch, Keras.

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