Jason Tang

1999jasontang@gmail.com | github.com/JasonTang99

Education

University of Toronto St. George   Expected April 2021
Candidate for Honors Bachelors of Science   *GPA 3.73/4.00*
Computer Science Major with Mathematics Minor

Experience

Machine Learning Intern   May 2019 - Present
University of Toronto Information Technology Services   *Toronto, Canada*

- Piloted a real time **recommendation engine** for student course enrollment by utilizing **collaborative filtering** on academic history and user preferences, resulting in a mean reciprocal rank score of **0.852**.
- Automated job pay-band classification by optimizing **Natural Language Processing** models, reducing job evaluation time from weeks to days, significantly improving the HR work cycle efficiency.
- Created **synthetic datasets** for model development avoiding the costs of further data acquisition.
- Built data ingestion pipelines to transform raw data for use in automated learning applications.
- **Technologies Used:** Python, Natural Language Processing, Recommendation Systems, Keras, PyTorch, Flask, Azure, Docker

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 streamlining HR management.
- **Technologies Used:** C#, JavaScript, ASP .NET Core, ReactJS, Agile

Projects

Rainy   Personal Project
Computer Vision Network

- Trained a **ResNet architecture** network in PyTorch to detect the presence of rain in images with an accuracy of **95.8%.**

NumGen   Personal Project
Generative Adversarial Network

- Designed and trained an **adversarial network** in **TensorFlow**, capable of generating handwritten numbers based off the standard MNIST dataset.

Skills

Languages   Python, Java, JavaScript, C.

Frameworks PyTorch, Tensorflow, Keras, ReactJS, Flask.

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