Jason Tang

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Experience

Software Engineering Intern   May 2019 - August 2019
University of Toronto Information Technology Services   *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   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 enhancing communication between construction site personnel.
- **Technologies Used:** C#, JavaScript, ASP .NET Core, ReactJS, Agile.

Projects

How Much Do I Need   Personal Project
Android Application

- 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   Personal Project
Technical Blog

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

NumGen   Personal Project
Generative Adversarial Network

- Generated realistic handwritten numbers by optimizing an **adversarial network** in **TensorFlow**.

Education

University of Toronto St. George   Expected May 2021
Candidate for Honours Bachelors of Science   *cGPA 3.73/4.00*
Computer Science Major with Mathematics Minor

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

Skills

Languages	Python, Java, JavaScript, C.
Frameworks	ReactJS, Flask, PyTorch, Tensorflow, Keras.
Tools	Android, Git, Unix, Bash, Azure, HTML, CSS.