

Sherry Yuan (Toronto, ON, CA)

NLP Research Intern

Language: Python, Java, [JavaScript, CSS, HTML], R, SQL

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GitHub: <https://github.com/blckwolf5851>

Education

University of Toronto – St. George

(Anticipated 2023)

Toronto, ON, CA | B.S in Computer Science and Economic (Minor in Statistics)

- GPA 3.97
- Complete Course Work: Theory of computation, Linear Algebra, Economic
- Current Course Work: Software design, Machine learning, Statistics, Hardware, Database

Experience

University of Toronto | Teaching Assistance

Sep 2020 – Present

- Teaching assistant for MAT223 (Linear Algebra)

University of Toronto | NLP Research Intern

Jan 2020 – Present

Toronto, ON, CA | R, Python, Pytorch, TensorFlow

- Advanced pre-experimental stage processes through the development of algorithmic solution to data balancing.
- Expanded research's available data through the mining of external and alternative data.
- Designed embedding space through multi-task learning to incorporate historical metaphorical knowledge into state-of-the-art BERT models (result in an improvement in accuracy)

University of Toronto | Quantitative Research Intern

Oct 2019 - Present

Toronto, ON, CA | Python, TensorFlow, SQL

- Improved communication with non-technical members of the team through extensive data visualization and written reports.
- Accelerated data filtering process through the implementation of machine learning classifier on political relevance and NLP predictive models on agreement detection
- Produced and present quantitative writing on congress2020 (rescinded due to COVID-19)

Skills

Machine Learning | Deep Learning | Pytorch | TensorFlow | Generative Models | NLP | Computer Vision
Transfer Learning | Research | Innovative | Tableau | Statistical Analysis | Data mining | React JS | Linux

Projects

Book Recommender (HTML, CSS, JavaScript, Python, Pytorch)

Novel approach of book recommendation through plot and story setting similarity by applying contrastive learning, transfer learning on state of the art NLP model.

Stock Prediction AI (TensorFlow, NLP)

Predict bullish/bearish score of AAPL stock by applying ML technique on historical stock data (time-series) and NLP technique on social media sentiment data and news.

Open Source

NeuroTech UofT (Neuroscience, NLP, Keras, TensorFlow)

- Added new neurotech feature into drone controlling system by implementing NLP model that classify 7 hand gestures from muscle neural signal data (time-series)
- Refined team's code quality and clarity through active code review and testing

Student Group and Leadership

First Robotic Captain (FTC) – Led 30 students in math, science, business

Art Club President – Led 30 students and managed school art projects

Honors and Awards

School Council Award (1/240) - Recognition of academic achievement and extracurricular involvement

Reference available upon request