

EDUCATION

Queen's University

Bachelor of Arts, Honours, Applied Economics

Kingston, ON

Sep 2016 - January 2021

Relevant Courses

Advanced Data Analytics, Linear Data Analysis, Econometrics, Stochastic Methods and Statistics.

PROGRAMMING SKILLS

Languages : Python, R, Javascript, SQL, MATLAB

Technologies and Frameworks : Python Data Science Stack, Tableau, Stata

EXPERIENCE

Vodafone Big Data and AI

Data Science - Intern

Istanbul, Turkey

May 2019 - August 2019

- Developed code for scraping user views of major telecommunication companies from Eksi Sozluk.(Turkish Reddit)
- Compiled findings on user reviews into a word-cloud and presented insights to management.
- Libraries used: Scikit-learn, Pandas, Matplotlib, Spark, BeautifulSoup, NLTK, Scrapy.

EXTRACURRICULAR EXPERIENCE

Queen's Machine Intelligence and Neuroevolution Design

Design Team Member - HappyTransformer

Kingston, ON

Sep 2019 - May 2019

- As part of a team, created a Python library called HappyTransformer to make use of state-of-the-art transformer models for various NLP tasks.
- HappyTransformer was downloaded over 5000 times since its release in January.
- Responsible for implementing both the masked-word-prediction and the fine-tuning module.
- Placed top 1.4% in a Kaggle competition using the HappyTransformer library.
- Created the UI to present at the Canadian Undergraduate Conference on Artificial Intelligence (Cucai).
- Received the Best Paper Award at the Canadian Undergraduate Conference on Artificial Intelligence.
- The final report is available at page 67: <https://bit.ly/3eqslK5>

Educate Coordinator

Sep 2019 - Present

- Authored jupyter notebooks for incoming design team members on topics ranging from Pandas Dataframes to deep learning.
- Created an introductory workshop in AI geared towards high school students.

Betalab

Data Science Team Lead

Kingston, ON

Jan 2020 - Present

- Mentored and led a team of graduate and undergraduate students in competing to the Kaggle competition "Categorical Feature Encoding Challenge II".
- Github: <https://github.com/BetaLab-Queens/kaggle>

Arts and Science Undergraduate Society

Peer Tutor

Kingston, ON

Jan 2019 - Present

- Assisted students in learning Linear Algebra, Calculus and Economics.

PROJECTS

HappyTransformer Happy Transformer is an API built on top of PyTorch's transformer library that makes it easy to utilize state-of-the-art NLP models. <https://github.com/EricFillion/happy-transformer>

Automated Essay Grading A project using natural language processing that predicts students' essay grades. <https://bit.ly/3iUOB29>

HisarAI: A set of introductory notebooks in selected topics in data science and Artificial Intelligence.

ACCOMPLISHMENTS

Top 1.4% : in Kaggle competition: Real or Not? NLP with Disaster Tweets

Placed 159th/1161 in Kaggle competition: Categorical Feature Encoding Challenge II