MATTHEW EDWARDS

647-531-7212 ⋄ mr.edwards@utoronto.ca

[Website](#) | [Linkedin](#) | [GitHub](#)

EDUCATION

Master of Science in Statistics   Sep 2020- May 2021
University of Toronto   Toronto, ON
· Includes PhD sequences in Mathematical and Applied Statistics
· Includes 3 CS courses in AI/Machine Learning

Master of Arts in Economics   Aug 2017- Aug 2018
Bachelor of Arts (Honors) in Economics, Minor in Statistics   Sep 2013- Apr 2017
Queen's University   Kingston, ON
· Graduated with Distinction
· Honors Dean's List, 2013-17

EXPERIENCE

Teaching Assistant   Sep 2020- May 2021
University of Toronto, CS/Stats Departments   Toronto, ON
· Teaching python (pandas, numpy, matplotlib, scikitlearn, nltk, scipy) and version control (Git, Github, Bash) to undergraduate Data Science specialists
· Creating and marking assignments on simulation and natural language processing
· Maintaining the Data Science course website

Statistician   Dec 2019- Dec 2020
Study.com   Remote
· Prepared expert solutions to hundreds of practice problems in statistics, CS, and economics
· Colaborated with science editors to prepare answers for publication

Researcher   Aug 2018 - Dec 2019
Employment and Social Development Canada   Gatineau QC
· Built neural nets to extract sentiment from policy initiative documents
· Used natural language processing (topic modelling) to summarize childcare-related news articles
· Wrote R packages to automate geospatial(GIS) data analysis
· Co-created an open-source GIS app showing 90,000 childcare facilities and social-purpose businesses
· Led or co-led over 20 technical presentations to clients and non-specialist audiences

Research and Teaching Assistant   Sep 2016- Sep 2018
Queen's University, Department of Economics   Kingston, ON
· Assisted on 7 research projects with 5 researchers involving data collection, cleaning and analysis (census archives, customs tables, patents, contracts, travel guides, etc.)
· Tutored undergraduate students on fundamentals of scientific writing and communication

TECHNICAL STRENGTHS

Machine Learning	supervised, unsupervised, and reinforcement Learning, NLP
Python	pandas, numpy, sk-learn, matplotlib, scipy, nltk, tensorflow/keras, pytorch
R/Stan	tidyverse, rstan, hierarchical models, MCMC
Version Control	Git, Bash, Github, Gitlab