

Peter Ball

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SKILLS

- Python, pandas/numpy, sklearn/nltk, SQL, AWS, machine learning (NLP, deep learning, clustering), time-series analysis, data viz, linux, git, web scraping, collaboration, public speaking, technical/non-technical presentation, bilingual

WORK EXPERIENCE

Data Analyst Intern

May 2021 – Aug. 2021

Data Sciences Inc.

Montréal, QC

- Coordinated back-end for live dashboards and forms
- Took charge of a client's data analysis question: extracted client data, tested raw and engineered features, delivered actionable insights in the form of two presentations to the client
- Python (pandas, matplotlib), SQL, Google products

Researcher

June 2020 – June 2021

txtlab (McGill) / Laboratory for Social Minds (Carnegie Mellon)

Montréal, QC

- Designed an innovative model of narrative structure, created a robust dataset of 25,000 news articles, engineered a rich feature set with NLP techniques, trained hidden Markov models
- Python (pandas, spaCy), SQL (custom queries deployed through Google BigQuery)

Research Assistant

May 2019 – April 2020

txtlab (McGill)

Montréal, QC

- Built and maintained a dataset of over 1 million text documents
- Implemented an asynchronous web scraper, increasing data collection speed by 10x
- Deployed batch jobs on Duke University's compute cluster for lightning-fast feature extraction
- Python (requests, beautifulsoup, pandas)

Volunteer Web Designer

Sept. 2018 - April 2019

McGill Tribune

Montréal, QC

- Produced weekly custom webpages for featured articles. HTML, CSS, Javascript
- Lead designer on the website for the 2019 Journalism Conference website

EDUCATION

BA, Computer Science and English

Sept. 2017 - Dec. 2021

McGill University

Montréal, QC

- 3.74/4.0 GPA
- Relevant Coursework: Applied Machine Learning, Database Systems, Natural Language Processing, Data Science, Computational Linguistics, Probability, Algorithms & Data Structures.

AWARDS AND GRANTS

Dean's Honour List

2020-2021

- GPA in the top 10% of faculty's graduating class of students

Elsie Stephen Redford Scholarship

2020

- Awarded to an outstanding student in the Department of English

Arts Research Internship Award

2020

- Supported my research on narrative structure in protest coverage during the summer of 2020
- Produced a capstone paper and poster, presented in January of 2021 at public event

CSCDS Seed Grant

2019

- Grant for interdisciplinary research from McGill's Centre for Social and Cultural Data Science