

Peter Ball

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SKILLS

science-minded Pythonista (pandas/numpy, sklearn/nltk), experienced in data visualisation (matplotlib), well-versed in SQL, strong foundation in stats and machine learning, proficient in web development, excellent writer and collaborator, engaging public speaker, bilingual

WORK EXPERIENCE

Data Analyst Intern

May 2021 – Aug. 2021

[Data Sciences Inc.](#)

Montreal, QC

- Queried, transformed, and analysed client data, delivered two client presentations
- Coordinated back-end for live dashboards and forms
- Python (pandas, matplotlib), SQL, Google products

Research Assistant

June 2020 – June 2021

[Laboratory for Social Minds](#) (Carnegie Mellon)

Remote

- 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

Research Assistant

May 2019 – April 2020

[txtlab](#) (McGill)

Montréal, QC

- Built and maintained a dataset of over 1 million text documents, increased data collection speed by 10x with asynchronous web scraper, deployed batch jobs on compute cluster
- Python (requests, beautifulsoup, pandas)

Volunteer Web Designer

Sept. 2018 - April 2019

[McGill Tribune](#)

Montréal, QC

- Produced weekly custom webpages for featured articles
- Designed website for the 2019 Journalism Conference

EDUCATION

BA, Computer Science and English

Sept. 2017 - Dec. 2021

McGill University (3.74/4.0 GPA)

Montréal, QC

AWARDS AND GRANTS

Dean's Honour List

2020-2021

Elsie Stephen Redford Scholarship

2020

Arts Research Internship Award

2020

Centre for Social and Cultural Data Science — Seed Grant

2019

PUBLICATIONS

Resident Evil: Debt, Zombies, and the Subprime Mortgage Crisis

March 2022

- *The Channel: McGill Department of English Undergraduate Review* ([read here](#))

SELECTED PROJECTS

Hannstats: A Quantitative Look at Adaptation in Hannibal

- Video essay on text mining the dialog in Hannibal novels, TV scripts, and fan fictions ([github](#))

Intermezzo: A Rhizomatic Social Media Platform

- Proof-of-concept for a non-hierarchical social media implementing Guatarri's rhizome theory ([link](#))