Peter Ball
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Skills:
- Languages: Python, Java, SQL, C, Clojure; Technology: git, linux, pandas, sklearn/nltk/spacy
- data science, data engineering, machine learning, natural language processing, web design
- Strong writing skills, rigorous research ethic, confident public speaker, bilingual (English, French)

Relevant Coursework: COMP**:** {Applied Machine Learning, Database Systems, Intro to Data Science, ML for Real World Systems (ongoing), Natural Language Processing, Algorithms and Data Structures}; MATH: {Probability, Linear Algebra, Discrete Structures}

Education:

McGill University, Montreal, QC   2017-Present
- U3 Bachelor of Arts, double major Computer Science & English (Cultural Studies)
- English Dean's Honour List; CGPA 3.71 (out of 4)
- Awards: 2019 CSCDS Seed Grant; 2020 Arts Research Internship Award; Elsie Redford Scholarship

Fredericton High School, Fredericton, NB   2013-2017
- Graduated with Honours (96% Average); studied majority of subjects in French immersion.
- Received Charles G.D. Roberts medal for best literary essay in school district.

Projects:

Research Internship (McGill/CMU): Computational Modelling of Narrative in Protest Coverage (2020-21)
*Quantitative study of narrative structure in news articles covering US protests in the past 7 years. Combination of unsupervised learning of Markov models and rich NLP annotation. Python.

McGill Text Lab: Queer Dynamics in Fan Fiction (2019-20)
*Performed data engineering and analytics work: scraped, cleaned, and annotated datasets for two projects at the lab, comprising hundreds of thousands of fanfiction works from website Archive of our Own; investigated representations of queerness in the textual space. Python.

Work Experience:

McGill Text Lab: Research Assistant, summer 2019 - Present:
- Led the conceptualization and execution of two research projects; built data pipelines, engineered features, ran statistical tests and trained models on the data, communicated results
- Applied web scraping and data engineering skills to produce a high-quality, reliable dataset for collaborative project with professors from Mcgill and Duke Universities

McGill Tribune Web Developer, 2018-2019
- Create weekly personalized web pages under strict time limits for featured articles
- Sole developer on the 2019 Journalism Conference website; implemented a more modern and mobile-friendly design as compared to previous years

Creative Collective Vision: Camp Councilor (Summer 2018, Montreal)
- Taught film techniques and supervised the creation of films by children ages 5-13