Cameron Raymond

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EDUCATION

University of Oxford, MSc Applied Statistics and Computing *Aug. 2021*

- Research areas: Data science, trust & safety, human-computer interaction, computational social science
- Thesis: *An experimental analysis of misinformation interventions in ambiguous contexts: The limits of increased attention* (**Awarded one of four thesis prizes in a department of 60**)
- Excelled in Experimental Design (distinction), Analytical Statistics (distinction), Data Analysis at Scale (distinction)

Queen's University, BSc Computer Science (Political Science Minor) *Apr. 2020*

- GPA: 4.03/4.30 (top 3-5%)
- Excelled in Reinforcement Learning (A+), Algorithms (A+), Data Structures (A+), Neural & Genetic Computing (A)
- Dean's Honour List (2017-2020)

TECHNICAL EXPERIENCE

RegLab (Stanford University), Data Scientist *Sept. 2021 – Present*

- Using experimentation, causal inference and machine learning (R, SQL, Python) to build the evidence base for effective governance at Stanford's Regulation, Evaluation and Governance Lab (RegLab)
- Improving the effectiveness and equity of a large public health department's COVID-19 response

Princeton University, Data Scientist *May 2021 – Sept. 2021*

- Implemented computer vision using Python, SQL and PyTorch (transfer learning for animated facial segmentation) and data mining algorithms, allowing for novel research designs in the Department of Psychology
- Increased data collection and modelling capacity by 10x with MySQL and Python

Towards Data Science, Artificial Intelligence Contributor *Apr. 2020 – Present*

- Wrote articles and scaled readership communicating computational social science with over 20k reads to date

University of Toronto, Research Scientist *May 2020 – Jan. 2021*

- Developed novel computational models using Python, Spark and SQL for online behaviour, generating new insight into political communities
- Published findings at ICWSM, the world's premier computational social science venue (17% acceptance rate)

Queen's University, Teaching Assistant *Jan. 2019 – Apr. 2020*

- Communicated core concepts of algorithmic design (CISC 365); machine learning – including neural networks, PCA and SVMs (CISC 251); and Object-Oriented Programming (CISC 124) to 30+ students

Canadian Imperial Bank of Commerce, Data Analytics Intern *May 2018 – Aug. 2018*

- Developed mobile data analytics app, reducing analytics latency of business critical data by 75%

VOLUNTEER EXPERIENCE

Queen's Data Analytics Association, Sponsorship Director *Sept. 2018 – Apr. 2020*

- Spearheaded team of four to form corporate partnerships, resulting in a 200% increase in raised capital

Good Times Diner Soup Kitchen, Volunteer *Sept. 2018 – Apr. 2020*

- Prepared weekly hot meals for those affected by food insecurity in the Kingston community

PUBLICATIONS AND CONFERENCE PRESENTATIONS

- **Raymond, C.**, Anderson, A., & Waller, I. (2022, June). Measuring Alignment of Online Grassroots Political Communities with Political Campaigns. In Proceedings of the International AAAI Conference on Web and Social Media (ICWSM) (Vol. 15).
- **Raymond, C.**, Krafft, P. M. (2021, September). *Managing Online Rumour Proportions During Offline Protests.* The 3rd Multidisciplinary International Symposium on Disinformation in Open Online Media (MISDOOM), online.
- **Raymond, C.** (2020, June). *Bridging or Bonding? Measures of Topic Centrality for Online Political Engagement*. International Network for Social Network Analysis Sunbelt Conference, Paris, FR.

TECHNICAL SKILLS

- **Programming Languages:** Python, SQL, R, Java, HTML, JS, CSS, C, Haskell, C#
- **Tools:** Tidyverse, NumPy, Pandas, TensorFlow, Theano, Spark, SK Learn, SciPy, React, Git, Latex
- **Statistical Skills**: Causal inference, A/B testing, hypothesis testing, linear regression, logistic regression, lasso regression, multi-level modeling, neural networks, difference-in-differences, IV analysis, power analysis