

# Cameron Raymond

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## EDUCATION

### University of Oxford, MSc Applied Statistics and Computing

Aug. 2021

- Research areas: machine learning, human-computer interaction (HCI), computational social science
- Thesis: *Managing Online Rumour Proportions During Offline Protests* (HCI/experimental design)
- Excelled in Experimental Design (distinction), Analytical Statistics (distinction), Data Analysis at Scale (distinction)

### Queen's University, B.Comp 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, Data Scientist

Sept. 2021 – Present

- Building the evidence base and technology for effective governance at Stanford's Regulation, Evaluation and Governance Lab ([RegLab](https://reglab.stanford.edu/)) as a data scientist and public sector consultant

### Princeton University, Data Scientist

May 2021 – Sept. 2021

- Implemented computer vision (transfer learning for animated facial segmentation) and data mining algorithms, allowing for novel research designs at Princeton's Stigma and Social Perception Lab (Department of Psychology)
- Increased data collection and modelling capacity by 10x

### Towards Data Science, Artificial Intelligence Contributor

Apr. 2020 – Present

- Wrote and scaled readership of articles communicating research in network science and computational social science with over 16,000 reads to date

### University of Toronto, Research Scientist

May 2020 – Jan. 2021

- Developed a novel extension of the artificial neural networks used in word embeddings to model how political communities on Reddit change over time at the University of Toronto's Computational Social Science Lab

### 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 tutorials of 30+ students

### Canadian Imperial Bank of Commerce, Data Analytics Intern

May 2018 – Aug. 2018

- Developed and shipped 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 with Fortune 500 companies and startups, 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., 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., Anderson, A., & Waller, I. (2021, July). *Measuring Alignment of Online Grassroots Political Communities with Political Campaigns*. The 7th International Conference on Computational Social Science (ICS2S2), Zurich, CH.
- 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:** NumPy, Pandas, TensorFlow, Theano, Numba, PySpark, Gensim, SK Learn, SciPy, React, Git, Latex
- **Statistical Skills:** Hypothesis testing, linear regression, logistic regression, ridge/lasso regression, multi-level / hierarchical modeling, neural networks, quasi-experimental analysis, instrumental variable analysis