

# Cameron Raymond

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## EDUCATION

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

Exp. Jul. 2021

- One of the 25 students selected to study Social Data Science at the University of Oxford's Internet Institute, a multidisciplinary research department at the University of Oxford
- **Research areas:** machine learning, human computer interaction, computational social science

### Queen's University, B.Comp Computer Science (Political Science Minor)

2016 – 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

### Stanford Law School, Research Fellow (Computational Science)

Exp. Sept. 2021

- Selected for Stanford Law School's Empirical Research Fellowship under the supervision of Dr. Daniel Ho
- Will work at Stanford's Regulation Evaluation and Governance Lab (RegLab) as a data scientist and public sector consultant working with government agencies and non-profits

### Princeton University, Research Specialist

May. 2021 – Present

- Implemented computer vision and data mining algorithms, which allowed for novel research designs at Princeton University'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 15,000 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 overtime

### Queen's University, Teaching Assistant

Jan. 2019 – Apr. 2020

- Communicated core concepts of algorithmic design (CISC 365); data analytics - 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

- Lead developer of mobile data analytics app that monitors key retail banking indicators
- Reduced analytics latency by 85%, allowing for near real-time monitoring of business critical data

## 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

- Raymond, C., Anderson, A., & Waller, I. (2021, January). *Measuring Alignment of Online Grassroots Political Communities with Political Campaigns* [Conference Presentation]. IC2S2 2021, Zurich, CH.
- Raymond, C. (2020, June). *Bridging or Bonding? Measures of Topic Centrality for Online Political Engagement* [Conference Presentation]. INSNA Sunbelt 2020, 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 modelling, neural networks