

*Profile*

Newly graduated applied mathematician looking to sling data around for an early stage startup. Currently, I help craft fiscal policy for a provincial political party in Canada.

*Experience*

Wildrose Caucus  
*Research & Policy Analyst*

Edmonton, AB  
May — August 2014

- Developed statistical models to estimate costs of different policies. The models were used to produce estimates published in official party policy.
- Wrote briefs on a wide number of policy issues, including sex work, air monitoring, tax policy, and municipality funding models.

University of Alberta  
*Research Assistant*

Edmonton, AB  
May — August 2013

- Modelled the behaviour of the prisoner's dilemma as it moves from being a discrete process to a continuous one.
- Produced a model in Matlab demonstrating the public perfect equilibria of the prisoner's dilemma.
- Learned graduate level stochastic calculus.

University of Alberta  
*Research Assistant*

Edmonton, AB  
Jan. — May 2013

- Wrote a paper on the efficiency of judicial decisions in antitrust cases.
- Used models from industrial organisation to simulate decisions using Python.
- Worked for a Senior Research Scholar from Harvard Law School.

Jacobs Canada Inc.  
*Engineering Intern*

Edmonton, AB  
May — August 2011, 2012

- Audited client terminals, ensuring the accuracy of engineering drawings.

*Education*

University of Alberta  
B. Sc. (*Hons*) Mathematics & Economics, First class honors

2010 — 2014

- Dean's Silver Medal in Science (top 3% of Science students)
- Paper under consideration at software engineering conference (ICSME)

*Open Source*

Incanter

April 2014

- Added code to calculate Goodman and Kruskal's [gamma coefficient](#).

Cascalog

April 2014

- Expanded unit test coverage.

*Skills*

English (native), French (conversational), Excel, C++, Python, R, Matlab, OCaml, Clojure, Unix/Linux, etc.