

Finbarr Timbers

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Experience

University of Alberta Department of Mathematics
Research Assistant for Dr. Christoph Frei

Edmonton, AB
Summer 2013

- Implemented a model that simulated the evolution of game theory payoff sets as the time between repetitions decreased.
- Matlab, Python and L^AT_EX on OS X

University of Alberta Department of Economics
Research Assistant for Dr. Claudia Landeo

Edmonton, AB
Spring 2013

- Wrote a paper on the effect that academic economics has upon judicial decision making in American antitrust case law.
- Mathematica, L^AT_EX on OS X.

Jacobs Engineering
Engineering Intern

Edmonton, AB
Summer 2012, 2013

- Performed field audits on Enbridge terminals across the county.
- Monitored database quality.
- Mainly Excel and Maximo on Windows.

Education

University of Alberta
B. Sc. (Hons) Mathematics and Economics. First Class Honors.

Edmonton, AB
2010 — 2014

Research

Aggarwal, K., Rutgers, T, Timbers, F., Hindle, A., & Greiner, R. Detecting Duplicate Bug Reports using Contextual Analysis (Work in progress).

Landeo, C., and Timbers, F. Vertical Restraints: Economic Theory and Antitrust Law (in progress).

Technical Skills

Programming languages

- Strong: Python, JavaScript, R, Matlab, L^AT_EX, Clojure
- Learning: SQL, C++, Haskell, Ruby, Julia

Operating systems and developer environments

- Unix enthusiast, mostly on OS X. Familiar with GNU/Linux & Windows.

Open Source Contributions

Incanter, Contributor
github.com/Incanter/Incanter

April 2013 — Present

Clojure-based statistical computing and graphics environment for the JVM.

- Implemented statistical calculation functions.
- Cleaned up & edited existing documentation.

Cascalog, Contributor
github.com/nathanmarz/Cascalog
Clojure-based library for data processing on Hadoop.

April 2013 — Present

- Expanded unit test coverage to include the Cascalog-LZO module.

Extracurricular

University of Alberta Model United Nations
Secretary General

Edmonton, AB
September 2011 — Present

- Organized a 500 person conference for top Albertan high school students.
- Led a team that found \$10 000 in savings and added \$4000 in revenue on a \$30 000 budget.
- Worked to find and retain sponsors; led negotiations to renew a \$30 000 sponsorship agreement.

Lambda Chi Alpha
Vice President Finance

Edmonton, AB
January 2014 — Present

- Responsible for managing \$20 000 budget of chapter.
- Led a team that laid the groundwork to create a permanent endowment.

Campus Branch of Major Federal Political Party
President

Edmonton, AB
February 2012 — October 2013

- Recruited undergraduate students to be active in the political process.
- Brought major political figures to speak on campus, including prominent MPs.

University of Alberta Students' Union
Member, Academic Relations Group

Edmonton, AB
September 2012 — October 2013

- Advised the Vice President Academic on policy matters.