

Brendan Timbers
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Experience

- **University of Alberta Department of Mathematics** Edmonton, AB
Research Assistant for Dr. Christoph Frei May 2013 — August 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** Edmonton, AB
Research Assistant for Dr. Claudia Landeo January 2013 — April 2013
 - Wrote a paper on the effect that academic economics has upon judicial decision making in American antitrust case law.
 - L^AT_EX, Mathematica on OS X.
- **Jacobs Engineering** Edmonton, AB
Engineering Intern May 2012 - August 2012
 - Performed field audits upon client's terminals.
 - Monitored database quality.
 - Mainly Excel and Maximo on Windows.

Education

- **University of Alberta** Edmonton, AB
Bachelor of Science in Combined Honors Mathematics and Economics.
April 2014 (exp.). GPA: 3.6/4.0. Last two years: 3.95/4.0.

Programming Skills

- **Programming languages**
 - Strong: Python, R, Matlab, L^AT_EX
 - Learning: SQL, C++, Haskell, Clojure, Julia
- **Operating systems and developer environments**
 - Unix enthusiast, mostly on OS X. Familiar with GNU/Linux & Windows.

Relevant Coursework

- **Applied Probability and Computing**
 - Machine Learning (Matlab, Python, Java), incl. a project on contextual analysis (using Weka) (A); Foundations of Computing (Python) (A);
 - Time Series Analysis (R) (still in progress); Econometrics (R) (A+).

- **Mathematics**

- Stochastic Calculus I (A-) and II (in progress) (graduate-level courses);
- Real Analysis (A-); Linear Algebra (A+); Statistics I (B+) and II (A+).

- **Finance and Economics**

- Mathematical Finance I (A-) and II (in progress) (graduate-level courses);
- Microeconomics (A+), Macroeconomics (A+).

Research

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

Extracurricular

- **University of Alberta Model United Nations** Edmonton, AB
Secretary General 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** Edmonton, AB
Vice President Finance 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** Edmonton, AB
President 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** Edmonton, AB
Member, Academic Relations Group September 2012 — October 2013
 - Advised the Vice President Academic on policy matters.

Interests

- Finance— I want to get my CFA, and plan to do so upon graduation.