

FINBARR TIMBERS

PERSONAL INFORMATION

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ACADEMIC EXPERIENCE

Department of Mathematics *Summer 2013* Summer Researcher, UNIVERSITY OF ALBERTA
Received a NSERC USRA to work under Dr. Chris Frei's supervision studying the Prisoner's Dilemma in continuous time. Applied fundamental tools of stochastic analysis to problems in mathematical economics.
Reference: Dr. Chris FREI · +1 (780) 492 3613 · cfrei@ualberta.ca

Department of Economics *Spring 2013* Research Assistant, UNIVERSITY OF ALBERTA
Received a grant from the Undergraduate Research Initiative to study Economic Theory & Anti-Trust Law. Summary of theoretical models of antitrust, and assessed whether or not landmark legal cases agreed with them. Made suggestions to improve uptake of economic research among legal practitioners. Plan to publish paper resulting from work.
Reference: Dr. Claudia LANDEO · +1 (780) 248 5855 · landeo@yale.edu

EDUCATION

Bachelor's of Science *2010-2014* The University of Alberta
GPA (last year): 3.94 · *Combined Honors in Economics and Mathematics (exp.)*
Heavy focus on mathematical theory and statistics. Classes include graduate level stochastic analysis, mathematical finance, computational finance, probability theory, measure theory, machine learning, differential equations, & advanced economic theory.

GRANTS & AWARDS

Grants 2013 · NSERC Undergraduate Student Researcher Award
2013 · URI Undergraduate Researcher Stipend

Awards 2013 · Murray Thomas Gibson Memorial Scholarship in Mathematics
2013 · Dean's Honors Roll (Awarded to top 10% of Faculty of Science)
2012 · Reginald C. Charles Memorial Award · Helen Biltek Memorial Award
2012 · Jason Lang Scholarship · Dean's Honors Roll
2011 · Dow Chemical HEAP · Rutherford Scholarship
2010 · National AP Scholar · Chief Scouting Award

TECHNICAL ABILITIES

Programming Languages *Strong with* Python, R, Mathematica, Javascript, HTML, CSS, Jade, Stylus
Familiar with Matlab, Bash, Zsh, C, Clojure, Ocaml, Elisp

Tools, Libraries & Frameworks *Strong with* \LaTeX , Emacs, Git, Beamer, Node.js, Angular.js

RESEARCH IN PROGRESS

URI Project Vertical Restraints: Economic Theory & Antitrust Law
Worked to discover the influence that economic theory has had upon anti-trust law & made suggestions on how to improve it.
Authors: Finbarr TIMBERS, Dr. Claudia LANDEO

The Prisoner's Dilemma in Continuous Time with Noisy Signals

NSERC USRA
Project

Used the tools of stochastic analysis to analyze the game-theoretical construct of "the prisoner's dilemma" in continuous time with "noisy signals."
Author: Finbarr TIMBERS

INDUSTRIAL EXPERIENCE

Jacobs Canada 2011 & -12 Engineering Intern, JACOBS CANADA INC.
Performed field audits on Enbridge's main pipeline. Helped prepare the final reports for client. Prepared detailed Maximo reports. Organized and helped plan multiple site field audits.
Reference: Available upon request.

EXTRA-CURRICULAR EXPERIENCE

High School Model United Nations 2012– Present Secretary General, HSMUN
Responsible for organizing and running conference for 500 of Alberta's top high school students. During my tenure, non-structural budget was cut by 50%, and rural attendance was substantially increased.
Reference: Neekoo COLLETT · neekoo@ualberta.ca

Major Federal Political Party 2012– Present President, Major Campus Political Association
Worked to organize events to increase political activism on campus. Under my tenure, our association joined the Student's Umbrella for Social Justice and hosted a number of cabinet ministers and members of parliament. Enrollment increased dramatically; prior to my tenure, the group was nearly dead. I was responsible for reviving it.

Major Federal Political Party 2012– Present Board Member, Multiple Electoral District Associations
I sit on the board for the Electoral District Associations of the Edmonton-Centre and Edmonton-Strathcona branches of a major federal political party. In this role, I have helped make policy decisions and helped fundraise for the 2015 election.

Mathematical Sciences Society 2012– Present President, Mathematical Sciences Society
Responsible for advocating upon students behalf to department administration, as well as to the Faculty Association and Student's Union. Increased event attendance by 200%.

Students' Union 2012– Present Member, Academic Relations Group
Represented the SU's Vice-President Academic as his official delegate on a number of committees. Acted as the sole student representative at committee meetings. Sat on the Academic Policies and Procedures Review Task Force, Information Technology Advisory Committee, Facilities Development Committee, and University Writing Committee.

Languages
ENGLISH · Native tongue
FRENCH · Intermediate · DELF B2

September 15, 2013