

Ann Berlinsky Kallin

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Education

Ph.D. in Physics, University of Waterloo, Ontario (Graduating August 2014)

M.Sc. in Physics, University of Waterloo, Ontario (2010)

B.Sc. in Honours Physics, McMaster University, Hamilton, Ontario (2008)

Experience

2008 - Present **University of Waterloo - Graduate Student in Physics**

Write programs modelling physical systems in C++

Analyze data using C++, shell scripts, MATLAB, and Python

Write/publish research papers in peer-reviewed journals

List of publications: goo.gl/1r6cWT

Present research at meetings, and at regional, national, and international conferences

Run a journal club where students give weekly presentations

Summers of 2005, 2006, 2008 **McMaster University Research Assistantship - Crystal Growth**

Prepared crystal samples for neutron scattering experiments

Trained/supervised 3 undergraduate students and 1 high school student

Summer 2007 **McMaster University Research Assistantship - Neuroscience**

Analyzed EEG data using MATLAB

Skills

C++ programming (2007 - Present) - github.com/akallin

MATLAB (2007 - Present)

Mathematical Modelling, Data Analysis, Statistics, Function fitting and minimization

Presenting findings with PowerPoint presentations and poster presentations

Currently studying: MySQL, machine learning

Activities

Leadership/Organization

Member of Toastmasters International (2013 - Present)
Captain of the UW Physics intramural ice hockey team - Spin Ice (2012 - Present)
uWaterloo pick-up Hockey Organizer (Summer 2013)
Conference Organizer for the Waterloo DMRG Winter School, Waterloo (2011)
Volunteer for the Tri-City Roller Girls (Summer 2011)

Science Outreach

Presenter at Wilfrid Laurier LEAP Camp for grade 7-8 girls (July 2013)
Instructor at UW DIRECTIONS ESTEEM Aboriginal High School Program (March 2011, May 2012)
Volunteer/Instructor at a Canadian Association for Girls in Science event (April 2012)
Volunteer Judge for Centennial Public School Science Fair (March 2012)

Recreation

Member of the KW Women's Recreational Hockey League: Team Aardvark (2013 - Present)
Member of Perimeter Institute Monday morning hockey league (2011 - Present)
Member of the UW Physics intramural ice hockey team: Spin Ice (2008 - Present)
Member of the UW Physics Tough Mudder team: The Jason Iaconis Experience (2012)
Member of LOCO Roller Derby - Kitchener Chapter (Summer 2011)

Awards and Honours

Ontario Graduate Scholarship (2013 - Present)
NSERC Postgraduate Scholarship - Ph.D. level (2011 - 2013)
J. Alan George Student Leadership Award (2011)
University of Waterloo Alumni Gold Medal Award (2011)
University of Waterloo Outstanding Achievement in Graduate Studies Award (2010)
NSERC Postgraduate Scholarship - M.Sc. level (2008 - 2010)
NSERC Undergraduate Student Research Award (2008)
McMaster University Futures Fund Graduated Award (2008)
Harry Lyman Hooker Scholarship (2007)
The Boyd McLay Scholarship in Physics (2007)
NSERC Undergraduate Student Research Award (2007)