

Jonathan Johannes

University of British Columbia
Department of Physics

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Education

B.Sc, Honours Biophysics, UBC, Vancouver, BC, May 2010.

Bilingual High School Diploma, William Aberhart High School, Calgary, AB. 2006

Academic and Research Experience

University of British Columbia, Quantum Degenerate Gases Lab

Undergraduate Honours Thesis Student, Dr Kirk Madison (UBC) and Dr James Booth (BCIT).

- Characterization of gold-on-silicon atom chips for preparation of implementing the chips into a magneto-optical trap.
- "Characterization of the Atom Chip." Undergraduate thesis paper. September 2009–Present.

University of Calgary, Institute for Biocomplexity and Informatics

Summer Student Intern, Dr Sergei Noskov.

- Parameterization of halothane force fields for implementation in CHARMM software for molecular dynamics simulations.
- Subbotina, Y., **Johannes J.**, Lev, B., Noskov, S. "Halothane Solvation in Water and Methanol From Simulations with New Polarizable Potential Function." *J. Phys. Chem. B.* 10.1021/jp908339j
May – August 2008 and 2009.

Work Experience

RezLife UBC, Residence Advisor

- Foster a healthy learning and living environment for student residents.
- Advisor of the residence sustainability committee (promote sustainable living in residence)

- Organize and implement enriching social and academic programs.
- Constant communication with students and the residence establishment to uphold standards.

September 2008 – May 2009

TELUS World of Science - Calgary, Discovery Leader

- Facilitate the education of science to children, students and families in an entertaining medium, all in a customer service environment.
- Develop and lead week long summer camp programs for children ages 9 - 12.
- Mediate hands on exhibits ranging from ride-like exhibits to programming LEGO robots.

May 2004 – August 2007

Honours and Awards

AHFMR Summer Student Research Award, UofC, Summer 2009

NSERC USRA, UofC, Summer 2008

President's Entrance Scholarship, UBC, 2006

Extracurricular

Student Advisor of the Biophysics Society of UBC.

Provide a contact for Biophysics undergraduates.

September 2009 – Present

Residence House President, Tweedsmuir House, Place Vanier Residence, UBC.

Organize and plan events for the social and academic success for student residents.

September 2007 - May 2008

Assistant Instructor of Kung Fu, Teck Guan Kung Fu School.

Teach and train kids and adults Kung Fu.

2004 - 2006

Programming abilities: Basic knowledge of assembly, FORTRAN, Python, and C languages.