**The Schaub** 314 Pie St.

Nanaimo, BC

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123-456-7890

**Summary of Qualifications**

* M.Sc. – Geophysics, Laurentian University, Sudbury, Ont. Supervisor: Bill Nye
* B.Sc. – Honours Physics, Co-operative Education, University of British Columbia, Vancouver, BC (April 2011)
* Worked as inversion specialist, geophysics programmer and project geophysicist
* Various positions at Canada’s National Laboratory for Particle and Nuclear Physics, TRIUMF, Vancouver, Canada
* Worked in Wire Technology Group at Bruker Biospin, Fällanden, Switzerland
* Worked with DCIP, magnetic, electromagnetic, and seismic data acquisition systems and respective processing techniques
* Well-developed experimental, troubleshooting, programming and data analysis skills
* Eager to learn, reliable, responsible, organized, versatile, and result-oriented

**Relevant Skills & Experience**

**Geophysics / Geology**

* Developed and carried out experiment using Ant-5 magnetic antennas to measure magnetic response of strained rock. Data processing completed with algorithms written in Matlab.
  + Schaub, C., & Smith, R. (2014). Determining the feasibility of a real time geophysical magnetic and electric measurement system for monitoring strain underground-laboratory magnetic test. In Marty Hudyma and Yves Potvin (Ed.), Deep Mining 2014 (pp. 443-456). Perth: Australian Center for Geomechanics
* CBC interview pertaining to M.Sc. research <http://www.cbc.ca/player/play/2645276277>
* DCIP – Partook in borehole (tomography) and surface DCIP surveys. Processed data with algorithms written in Matlab in addition to RES2DINV, and DCIP2D
* Worked with geologists to create algorithms in Matlab to produce more accurate and representative laser ablation images (Final image processing completed in Oasis Montaj)
* EM / Magnetics – Completed surveys using PPM (Analysis in Oasis Montaj), EM-35 (Analysis in Maxwell), and UTEM-5
* Seismics – Collected seismic data and processed using SmartSeis
* Completed course in forward and inverse model development and applications
* Completed courses in mineralogy, petrology, and structural geology

**Computer / Electronics**

* Extensive understanding of computers and software: Geosoft, Mathematica, Labview, TeX, Maple, Origin, Igor, GNUplot, DCIP2D, QCTool, Maxwell, RES2D/3DINV/MOD
* Programming knowledge in: Matlab, FORTRAN, C#, C++, GX, VB, Java
* Constructed, wired, troubleshot, and analyzed various circuits, lasers and optics

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**Laboratory Skills / Training**

* Partook in a development program to characterize high temperature superconducting wires working towards the world’s first all superconducting 30 T NMR magnet (Bruker)
* Worked on development and construction of Electron Accelerator (TRIUMF)
* Trained, supervised, and lead chemical etching (w/ HF acid) laboratory (TRIUMF)
* Proficient with power tools, shop equipment, mill, lathe, and various building materials
* Ability to express ideas, follow procedures, and work independently or on a team
* Training: Norcat, WHIMIS, Radiation Safety, Lock-Out, and Laser Safety

**Communication / Research**

* Well-developed interpersonal, communication, and presentation skills
* Excellent research, critical thinking, and information management skills
* M.Sc. Thesis: Determining the feasibility of a real-time electric and magnetic measurement system for monitoring strain underground

**Work Experience**

Jan. 2015 – Dec. 2017 Abitibi Geophysics Geophysics Programmer/Inversion Specialist

Jan. 2013 – Dec. 2014 Laurentian U. Teachers Assistant (Geology / Geophysics)

Sept. 2011 – Dec. 2013 TRIUMF Accelerator Div Technical Assistant

Jan. 2011 – May 2011 TRIUMF ISAC Facility Technical Assistant

May 2010 – April 2011 TRIUMF RnEDM Research Group

May 2009 – Dec. 2009 Bruker Biospin Wire Development Group (Switzerland)

May 2008 – Dec. 2008 TRIUMF Accelerator Physics Lab Assistant

Jan. 2007 – Aug. 2007 TRIUMF Mechanical Vacuum & Cryo Assistant

**Education**

Jan. 2017 – Present Simon Fraser University, Burnaby BC

B.Ed. Minor: Mathematics Education

Jan. 2013 – 2014 Laurentian University, Sudbury Ont.

M.Sc. Geophysics

Sept. 2007 – May 2011 University of British Columbia, Vancouver BC

3rd-5th Year Honors Physics

Sept. 2005 - Aug. 2007 Thompson Rivers University, Kamloops BC

2nd - 3rd Year Physics Major

Sept. 2004 - April 2005 Okanagan University College, Salmon Arm BC

1st Year General Science

**Achievements**

* Arthur Crooker Prize – Senior honours student showing the most experimental aptitude as chosen by the UBC physics department (2010)
* Laurentian University SEG Student Chapter, President (2014)
* Kayaked from Vancouver, BC, Canada – Juneau, Alaska, USA (Summer 2011)