

## Objective Qualifications

*To pursue a career in geology while utilizing my strengths in technology.*

- **B.Sc in Earth Sciences from Simon Fraser University (2009)**
- Owner/operator of **drillwatch.ca**, the latest in drilling progress monitoring software
- Proven skills in group problem resolution management
- Ability to teach others and present to various audiences
- Positive attitude, good sense of humour, courteous and friendly
- Featured in Simon Fraser University's 2009 student recruitment campaign
- Featured by Yale Secondary School as a distinguished alumnus in 2009
- Advanced database, mapping, graphic design and computer programming skills

## Education

- **B.Sc in Earth Sciences from Simon Fraser University (Burnaby, BC) (2009)**
- **Highlight of earth science courses taken to date:**
  - Sedimentary, metamorphic & igneous petrology
  - Stratigraphy and advanced sedimentology
  - Ore mineralogy
  - Global tectonics
  - Rock & soil mechanics and engineering
  - Environmental geoscience (mass wasting, risk assessment) and terrain analysis
  - Quaternary geology
  - Hydrogeology & groundwater geochemistry
- Attended Foundation, Geology and Resource Modeling courses for Gemcom Surpac 6.1
- Graduated with honours from Yale Secondary School (Abbotsford, BC)
- Attended AME BC Exploration Field Safety Awareness Workshop (2005)

## Professional Experience

### **Data Management Geologist – Copper Fox Metals Inc.**

*Summer 2008*

Primary contact for on-site multi-million dollar exploration operations at the Schaft Creek porphyry copper deposit in northern British Columbia, Canada. Completing pre-feasibility study, attention was paid to geotechnical and geologic drilling, liaising with consulting engineers and government officials. Managed staff and performed lithological and geotechnical core logging. Operated oriented core drillhole tool, located and flagged new drill sites, maintained 3D project maps in Surpac and built and maintained drilling/hole progress website.

### **Crew Geologist – Mars Society Canada**

*February 2008*

Planned, designed and executed self-directed research into the feasibility of soil gas as a resource indicator in a Mars analogue setting. Conducted introductory-level geology instruction to engineers and biologists on the crew during our two week mission. Involved in public outreach before and after, including interviews with CBC, SFU and newspapers. Research abstract available online.

### **Junior Geologist – CJL Enterprises Ltd.**

*Summer 2007*

Performed lithological and geotechnical logging at the Schaft Creek porphyry copper deposit in northern BC. Helped supervise drilling operations for proper on-site core handling. Operated oriented core drillhole tool, located and flagged new drill sites, maintained project maps and built new database-driven 3D maps in AutoCAD.

## Professional Experience

*(continued)*

### **Project Researcher – Canadian Petroleum Insurance Exchange Ltd.**

*July - August 1998*

Analyzed corporate pricing structure for this Calgary-based insurance cooperative of oil & gas companies. Required an understanding of mechanical issues (blowouts, etc) that could result in significant financial losses to companies. Attended a day-course on petroleum extraction, distillation and distribution. General office duties and website construction.

### **Website Developer – Stargate Connections Inc.**

*2000 - 2006*

Built websites using HTML, PHP and CSS for a wide range of clients. Set deadlines, managed projects, and communicated with designers, photographers and network consultants to ensure projects were completed on-time and under budget. Also worked with junior mining companies to enhance and fulfil their website presence.

## Awards & Competitions

- \$2,500 grant from Canadian Space Agency to attend IAC in Glasgow, Scotland (2008)
- Passport to Education scholarship (1998)
- IBM Computer Technology Award (1993)
- Winner of Fraser Valley Regional Science Fair (1993)
- Participant in Canada Wide Science Fair (1993)

## Memberships

- Student member of the **Geological Association of Canada** (GAC)
- Student member of the **Mars Society of Canada**
- Member of the **Vancouver Paleontological Society**
- Member of the **Royal Astronomical Society of Canada**
- Member of the **Planetary Society** (Discovery Team)
- Past member of the **Order of DeMolay**

## Volunteer & Non-profit

### **Treasurer – Earth Science Student Union, Simon Fraser University**

*Sept 2007 - April 2008*

Managed finances, reported to the president and members, monitored funding levels and made recommendations based on a number of factors.

### **Founder / Co-maintainer – Online community**

*January 2005 - July 2007*

Organized, built and maintained a strong online community of 150+ people. Coordinated events, assessed new membership applications and mediated interpersonal problems between members.

## Languages

- **English** – first language
- **Danish** – limited comprehension
- **French** – limited comprehension

## Samples

- **DrillWatch.ca** - tool for mineral exploration camps to monitor drilling progress (2009)
- **Interview with CBC radio** - Mars Desert Research Station (2008)
- **Tectonics on Jupiter's icy moon Europa** - term paper / presentation (2008)
- **Surface exposure cosmogenic nuclide dating** - term paper (2008)
- **Channeled scablands: field observations and interpretations** - field report (2008)
- **Foundational Exosedimentology** - term paper (2007)
- **Fossil 1.0** - educational website (2004)

Term papers, interviews and educational websites are available for download and review from [www.spaceman.ca/resume](http://www.spaceman.ca/resume)