

Mr Hadleigh Thompson

BSc Atmospheric Science

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## **Objective:**

To develop and utilize the meteorological theory and tools provided my Atmospheric Science degree. I hope in the future to combine these with my interest and knowledge of outdoor activities and pursuits, and research in wilderness locations.

## **Relevant Education:**

### **University of British Columbia (UBC), Vancouver 2014 - 2016**

Completion of a Bachelor of Science degree with a major in Atmospheric Science. Main interests include: mountain and cold region meteorology, snow and ice thermodynamics, hydrometeorology, and avalanche phenomena.

### **Thompson Rivers University (TRU), Kamloops 2012 - 2014**

Pre-requisites and lower level Bachelor of Science courses aiming for admittance to University of British Columbia.

### **Canadian Avalanche Association (CAA), British Columbia 2010 - 2012**

Member since 2009. Introduction and Advanced Weather for Avalanche workers 5 days total. Avalanche Operations, Level One 7 days.

## **Employable Skills:**

### **Technical**

- Operational Meteorological forecasting - As demonstrated throughout UBC Atmospheric science degree.
- Python coding and Numerical modelling - extensive academic experience in writing Python code to solve problems in Atmospheric and Earth sciences.
- Github workflow and collaboration in an academic environment.
- Self-taught webpage design and HTML scripting - see <http://hadleigh.github.io>

- GIS workflow and operation using QGIS
- Linux environment and command line computational operations.
- High level of numerical modelling and mathematical analysis using matlab, python, iPython notebooks, and Pandas data-frames.

## **Practical**

- Comfortable in wide range of outdoor environments including wilderness work-sites.
- Organizational and logistical skills obtained from both military experience and adventure tourism company management.
- Ability to adapt and solve practical problems with limit resources.

## **Relevant Experience:**

### **OWL Rafting on the Ottawa River. Ontario Canada Operations Manager: 2010 - Present**

Managing logistics and maintenance personnel. Operational Health and Safety. Boat (flat-water and swift water) and vehicle operation. Bus driving. Expenditure accounting and department financial responsibility.

### **Mustang Powder Cats. British Columbia Canada Tail-guide Practicum program: Winter 2009/2010**

Lodge and operation maintenance. Guest safety and assistance while skiing. Collection of near surface weather observations. Snowpack profile analysis and recording. Avalanche observation and investigation.

### **Franz Josef Glacier. New Zealand Glacier Guide: 2008 - 2009**

Leading guests on Glacier hikes. Helicopter loading. Ice climbing instruction. Crevasse extraction. Alpine cliff rescue team member.

### **Fernie Alpine Resort, British Columbia. Canada Ski Patrol team member: 2007 - 2008**

Guest liaison, information, and assistance. First aid and emergency response. Avalanche control. Near surface weather observations. Avalanche and snowpack investigations and recording. Snow blasting.

### **Collets Mountain Holidays, Central Dolomites. Italy Hiking Guide: 2005 - 2007**

Summer hiking and via ferrata; Winter snowshoeing and cross-country skiing. Personnel and chalet management. Expenditure accounting and recording. Chalet operations and management.

### **Royal New Zealand Army Medical Corps. New Zealand Field and Surgical team medic: 1997 - 2003**

2 years in-house medical, first aid, and emergency response training. 3 years operational service including 3 overseas deployments; UN sanctioned peacekeeping missions.

## **Additional Skills:**

- Full drivers license, including passenger Bus (Ontario)
- Transport Canada 'Limited Master' certificate
- Work place first aid and CPR certified

- Previous field research work and experience with Oxford University Ecology Department, (Summer 2003, 2004)

### **Contact Details:**

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