

# Chris Foster

1 (250) 572-7938

chris.james.foster@gmail.com

Victoria, BC

---

## Key Skills

**Frontend Development:** JS, ES6, React, Redux, Apollo, Angular, CSS3, HTML5

**Backend Development:** Node, Elasticsearch, SQL, NoSQL, Redis, REST, GraphQL

**Data Science:** Python, Keras, PyTorch, Markov Models, Linear Models, Neural Networks

**Devops:** Amazon Web Services, Serverless, Docker, Rancher, Heroku, CI / CD

---

## Professional Experience

### Software Developer

*September 2016 - Present | Remote*

Two Story Robot Labs Inc.

Full stack developer for multiple in-house SaaS products, and consulting for both government and private organizations. While I primarily focus on engineering and architecture, the consulting positions often require support, research, data science, and mentoring roles. I develop with modern technologies including Javascript, Node, AWS, C++, Elasticsearch, RethinkDB, AngularJS, CouchDB, Docker, React, Apollo, GraphQL, Serverless, and Redux.

### Software Developer

*September 2012 - September 2016 | Kamloops, B.C.*

MemoryLeaf Media Inc.

Full stack web application developer for multiple company SaaS products, as well as external contracting work for government and private organizations. Primarily worked with Javascript. Developed with technologies such as Node, Backbone, Marionette, jQuery, Elasticsearch, MongoDB, AngularJS, CouchDB, RethinkDB, Docker, and React.

### Freelance Web Developer

*April 2011 - November 2012 | Kamloops, B.C.*

Independent Professional

Freelance web developer for a number of local businesses, organizations, and government entities. Many smaller projects focusing on simple web design for commercial businesses or community outreach, with a few larger projects consisting of full stack web applications made to handle large amounts of data and users. Websites were designed in raw HTML/CSS and web applications were built with MySQL, PHP, jQuery, and Backbone.

---

## Education

### Master of Science

Major in Computing Science

Research in Machine Learning and Computational Neuroscience

*September 2016 - October 2018 (expected)*

University of Victoria, Victoria, British Columbia

## **Bachelor of Computing Science**

Specialization in Software Engineering

Awarded the TRU Medal of Computing Science for highest graduating GPA

*September 2012 - June 2016*

Thompson Rivers University, Kamloops, British Columbia

---

## **Conferences and Publications**

### **Decoding Music in the Human Brain using EEG Data**

Chris Foster, Dhanush Dharmaretnam, Haoyan Xu, Alona Fyshe, George Tzanetakis

IEEE 20th International Workshop on Multimedia Signal Processing

August 2018 - Vancouver, Canada

### **Decoding Word Semantics and Learning in EEG Data via an Artificial Language**

Chris Foster, Chad C. Williams, Olave E. Krigolson, Alona Fyshe

Inaugural Conference on Cognitive Computational Neuroscience

September 2017 - New York, USA

### **Response Time Predictions for Stack Overflow**

Guojin Tang, Erwin Li, Chris Foster, Haytham El Miligi

12th Annual TRU Undergraduate Research and Innovation Conference

March 2017 - Kamloops, Canada

### **Tracking Cattle with Infrared Imaging Drones**

Chris Foster, Matthew McInnes, John Church, Kevin O'Neil

10th Annual Irving K. Barber School Undergraduate Research Conference

April 2015 - Kelowna, Canada

---

## **Scholarships and Awards**

**Canada Graduate Scholarship Master's Award** - *Sep 2016 - \$17,500*

**President's Research Scholarship** - *Sep 2016 - \$4,000*

**University of Victoria Fellowship** - *Sep 2016 - \$13,500 (Declined)*

**Outstanding Graduate Entrance Award** - *Sep 2016 - \$5,000*

**TRU Alumni Association Award** - *Nov 2015 - \$1,200*

**Other Awards** - *Prior Nov 2015 - Total of \$1,800*

---

## **Software Certifications**

**AWS Certified Solutions Architect Associate** - *September 2017*

**MongoDB Developer Course Certification** - *December 2012*

**Coursera Machine Learning Course Certification** - *December 2011*