Chris Foster

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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, RabbitMQ, CouchDB, Docker, React, Apollo, GraphQL, 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 - August 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*