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, 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 - November 2018
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
IEEE 20th International Workshop on Multimedia Signal Processing

Decoding Word Semantics and Learning in EEG Data via an Artificial Language
Inaugural Conference on Cognitive Computational Neuroscience

Response Time Predictions for Stack Overflow
12th Annual TRU Undergraduate Research and Innovation Conference

Tracking Cattle with Infrared Imaging Drones
10th Annual Irving K. Barber School Undergraduate Research Conference

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Community Building

Victoria Machine Learning Meetup Lead Organizer - *February 2019 - Present*
CodeBC Program Mentor - *September 2017 - Present*
TRUSU CS Support Lab Volunteer - *September 2015 - December 2015*
TRUSU Computer Science Club Board Member - *November 2013 - June 2016*
Startup Weekend Kamloops Assistant Organizer - *June 2013 - July 2015*

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*