Chris Foster

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Key Skills

Frontend Development: Javascript, ES6, React, Redux, Apollo, PWA's, CSS, HTML5
Backend Development: Node, Elasticsearch, Postgres, MySQL, MongoDB, REST, GraphQL
Data Science: Python, PyTorch, Tensorflow, Markov Models, Linear Models, Neural Networks
Devops: Amazon Web Services, Serverless, Docker, Kubernetes, CI / CD

Professional Experience

Chief Technology Officer

June 2019 - Present | Remote

Two Story Robot Labs Inc.

Technical leadership role as the co-owner and CTO of a botique consulting company specializing in web application development and machine learning. My position focuses on engineering and architecture while also involving management, coaching, business development, hiring, strategic planning, and product responsibilities. I work with modern technologies including React, GraphQL, Node, Docker, AWS, MongoDB, Postgres, and Kubernetes.

Software Developer

September 2016 - June 2019 | Remote

Two Story Robot Labs Inc.

Full stack developer for multiple SaaS products, and consulting for both government and private organizations. While I primarily focused on engineering and architecture, the consulting positions often required support, research, data science, and mentoring roles. I developed with modern technologies including Javascript, Node, AWS, C++, Elasticsearch, RethinkDB, Angular, 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, Angular, 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 - June 2019
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

Words as a window: Using word embeddings to explore the learned representations of Convolutional Neural Networks
Neural Networks, Volume 137, 2021

Improving Response Time Prediction for Stack Overflow Questions
IEEE 10th Annual Information Technology, Electronics and Mobile Communication Conference

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

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*
TRUSU Computer Science Club Board Member - *November 2013 - June 2016*
Startup Weekend Kamloops Assistant Organizer - *June 2013 - July 2015*

Software Certifications

How to Manage a Remote Team Course Certification - *October 2020*
AWS Certified Solutions Architect Associate - *September 2017*
MongoDB Developer Course Certification - *December 2012*
Coursera Machine Learning Course Certification - *December 2011*