



# Chris Dimoff

Full Stack Web Developer and Data Scientist



## Personal Info

### Address

Vancouver, BC

### Phone

778-977-4399

### E-mail

chrisdimoff@gmail.com

### WWW

www.chrisdimoff.com

### LinkedIn

linkedin.com/in/chrisdimoff



## Summary

Full Stack Web Developer and Data Scientist with both an insatiable desire to quantify the ambiguous and a mission to design and create elegant, robust, and fully tested web architectures. Please visit my website for my project portfolio and a full description of what I have been up to.



## Experience

2018-10 - 2018-12

### Web Developer (Contract)

Liver Incytes (FDA Compliant Data Collection System)

- **Designed and Implemented a robust, and RSpec tested, Ruby on Rails app** for researchers at UBC and across Canada to store and retrieve data from **postgres**.
- Integrated rails' **ActiveStorage** and **Amazon S3** to allow large file uploads
- Implemented **model versioning** and change logs utilizing Audited gem.
- Implemented **automated deployments** from dev -> staging -> production utilizing heroku's deployment pipeline and GitHub integration.

2018-03 - present

### CTO

LiveDataFrame.com (Cryptocurrency Algorithm Trading Tool)

- **Deployed and networked over 20 docker instances to Digital Ocean** to ensure a redundant and **scalable backend infrastructure**.
- **Constructed a data transfer protocol** to facilitate the transfer of immense amounts of data between python and ruby on rails environments.
- Designed and Implemented a "process dashboard" to provide **realtime metrics** on data congestion and hardware usage.
- **Enforced system redundancy** via the **implementation of a chaos monkey** process to randomly kill backend processes.

2017-01 - 2018-02

### Web Developer (Contract)

PatientWisdom and RadNine Software

- **Designed and implemented end-to-end, full-stack features** utilizing react, redux, graphql, redis, postgres, express, and ruby on rails.
- **Developed unit and integration tests** for every feature using capybara, cucumber, rspec, mocha, and enzyme.
- Participated in daily code reviews, pair-programming, and planning/estimation as **part of an agile development team**.
- **DevOps experience deploying docker services** from staging to production environments and **running data migrations on live databases**.

2018-02 - 2018-03

### Mobile App/Web Developer (Contract)

Dedo (React Native and RonR)

- **Designed and Implemented a React native app** to automate church alms-giving utilizing a Ruby on Rails/postgres backend.



## Skills and Tech

Ruby on Rails



Unit Testing w/ RSpec



Redis



Automated Testing



Git and Github



Python/Pandas



React & Redux



Agile/Scrum



Node.js/Express



Automated Deployment



Continuous Integration



Docker



React Native



Machine Learning



React & JS Testing



2017-09 -  
present

- Implemented **automated integration testing** utilizing detox, jest, enzyme, and expo.

## ● **Systems Architect and Algorithm Trader**

Cryptocurrency Algorithm Trading

- **Designed and implemented a data pipeline consisting of 'dockerized', python microservices** that reads, processes, and stores price information for over 700 cryptocurrencies from multiple exchanges every second.
- **Designed a custom binary file database** that significantly decreased the time required to backtest strategies due to drastically cutting data read-back times.
- **Constructed a custom messaging queue** for pipeline units utilizing **redis**. This allowed me to have more control over data flow than utilizing RabbitMQ.
- Implemented multiple, successful **machine learning strategies** using **TensorFlow**, NuPIC, Twitter's Breakout Detection, and many more.
- **Trained a recurrent neural network** to predict trading volume utilizing changes in price, volume, spread, and twitter sentiment as features.



## **Education**

2018-08 -  
present

### ● **UBC Medical School**

2016-09 -  
2016-12

### ● **CodeCore Developer Bootcamp**

- 12-week, 60hr/week full-stack web development bootcamp with an emphasis on **Ruby on Rails, React, Node/Express, and git** workflows.
- Finished at the top of my class

2011-08 -  
2016-05

### ● **University of Victoria, Bachelor of Commerce**

- 3.9/4 GPA (Dean's List - Top 1% of Class)



## **Volunteering**

2015-01 -  
present

### ● **Royal Canadian Marine Search and Rescue**

- Lifeboat Search and Rescue Crew Member



## **Awards**

2016-11

- Hackathon Winner - Comedy Hack Day (Nov 2016)

2016

- 99% MCAT (Medical College Admission Test) Exam Score

2015-01

- \$22,000 in Excellence Scholarships



## **Interests**

- Microcontrollers and building robots
- Mountaineering
- Skiing
- Acro Yoga
- 3d Modelling/Printing