



David Pham



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EDUCATION

Simon Fraser University, Burnaby, BC, Canada
Bachelor of Applied Science, Computing Science

01/2017 - 09/2021

GPA: 3.6/4.33

University of British Columbia, Vancouver, BC, Canada
Bachelor of Science, Microbiology & Immunology

09/2011 - 04/2016

GPA: 3.7/4.0

TECHNICAL SKILLS

Languages: JavaScript (fluent) / Python (proficient) / C/C++ (proficient) / Java (proficient) / Scala (familiar)

Technologies: React / GIT / TCP/IP / Linux / D3/ Ag-Grid / GCP / Azure / AWS / Flask / Express / MySQL

Testing/CI/CD: Docker-compose / Docker / Vagrant / Azure DevOps / Travis-CI / Bamboo CI / Selenium

WORK EXPERIENCE

Visier - Site Reliability Engineer Co-op

09/2020 - 05/2021

- Developed software configuration and deployment modules to maximize service availability
- Streamlined server operations and deployment pipelines using automation tools

Sun Labs - Software Developer / RA Co-op

12/2019 - 04/2020

- Built protein analysis and visualization tools using ReactJS, D3, and Material UI
- Developed and deployed application using Docker containers with Azure App Service and DevOps

BC Cancer Agency , Genome Sciences Centre - Software Developer Co-op

04/2019 - 01/2020

- Designed and developed graphical data exploration/visualization tools using React, D3, ag-Grid
- Utilized React hooks to increase rendering speed, code reusability, and simplify development flow

GeNA Lab (Genomic and Network Analysis) - Software Developer / RA

09/2017 - 04/2019

- Designed, implemented and maintained lab's website www.genalab.org using JavaScript, HTML, CSS
- Developed citation and annotation tools using Python and C++

TECHNICAL PROJECTS

Pika Compiler - *Course project for Compiler design and principles*

- Extended a compiler for a static language with type inference, dynamic binding, and functional characteristics
- Built Using: Java and JUnit

Stock Prediction using Recurrent Neural Network and NLP - *Course project for Machine Learning*

- Combined NLP data from /wallstreetbets with a recurrent neural net to develop a model for stock prediction
- Built Using: Python, TensorFlow 2, PushShift, and GloVe

Compression Algo Visualizer - https://ddkpham.github.io/multimedia_website/#/huffman

- Visualization of fundamental compression algorithms: JPEG, Huffman, Arithmetic and Adaptive forms
- Built Using: React, SCSS, Jest