David Pham

778-288-9655
dpa35@sfu.ca
ddkpham.com
linkedin.com
https://github.com/ddkpham

EDUCATION

Simon Fraser University, Burnaby, BC, Canada — **01/2017 - 09/2021**
Bachelor of Applied Science, Computing Science — GPA: 3.6/4.33

University of British Columbia, Vancouver, BC, Canada — **09/2011 - 04/2016**
Bachelor of Science, Microbiology & Immunology — 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, 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 Adpative forms
• Built Using: React, SCSS, Jest