David Pham
Software Developer

💻 https://github.com/ddkpham

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Technical Skills

Languages: JavaScript (fluent) / Python (proficient) / C/C++ (proficient) / Java (familiar) / TScript (familiar)
Technologies: React / GIT / Node / Express / MUI / D3/ ag-Grid / GCP / Azure / AWS / Flask / MySQL
Testing / CI / CD: React-testing-library / Enzyme / Jest / Mocha / JUnit / Travis-CI / Bamboo CI / Selenium

Work Experience

Micheal Smith Genome Sciences Centre - Software Developer Intern   **Apr 2019 - Jan 2020**
- Developed GUI (React) and complex genomic variant data visualization (D3 / Ag-Grid) to improve understanding of complex variant ontology by genomic analysts and clinicians
- Utilized React hooks to increase rendering speed, code reusability and simplify development flow
- Increased test coverage of application to 80% during hook conversion using react-testing-library / enzyme

GeNa Lab (Genomic and Network Analysis) - Software Developer / RA   **Sept 2017 - Apr 2019**
- Designed, implemented and maintained the lab's website www.genalab.org
- Developed citation ranking tool to help researchers find literature relating to research thesis

Technical Projects

"Telepresence" Robotics Messaging App (Software Engineering Term Project)   **Sept 2018 - Dec 2018**
- Messaging application between an android app and a live Pepper robot performing speech and gestures
- Built Using: Javscript, Bootstrap, Python, C++, Android, Dialog, GCP

"Compression Algo Visualizer" (https://ddkpham.github.io/multimedia_website/#/jpeg) **Jan 2019 - Apr 2019**
- Visualization of several popular compression algorithms to help understanding of lossly/lossless compression
- Built Using: React, Python, PIL, Flask, React-Bootstrap, MUI

"Forget Me Not" Prescription Reminder (nwHacks 2020)   **Jan 2020 - Jan 2020**
- By taking a picture of a prescription, users would be sent reminders via sms and through Amazon's Alexa
- Built Using: React, NodeJS / Express, GCP, AWS, Google Vision AI API

"Productivity Booster" Automated Webiste Blocker   **Sept 2018 - Oct 2019**
- Productivity tool used to automatically block distracting websites during "working" hours
- Built Using: Python, Tkinter

Academic Achievements

Simon Fraser University, Burnaby, BC, Canada   **Sept 2017 - Current**
Bachelor of Computing Science, Second Degree   Grade Average (current): 3.5/4.33

University of British Columbia, Vancouver, BC, Canada   **Sept 2012 - Apr 2017**
Bachelor of Science, Microbiology & Immunology   Grade Average : 3.7/4.0