Richard Pham

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Education:

BSc Computer Science, University of Calgary, Class of 2019

Skills:

General - Java, C/C++, Python, SQL ; **Front End** - React, Angular, HTML5, CSS, JavaScript
Tools - AWS, Git, Github, NPM, VS Code, Agile Methodology, Pandas

Projects:

Blockchain Application   github.com/rjmpham/DistributeBlocks

Created a fully functional cryptocurrency in java with a peer-2-peer network that had wallets, mining, and transactions. Personally selected and implemented the encryption and decryption methods. Created multiple tests that demonstrated the security of the algorithm and the code itself, and live simulated the malicious code and their attacks.

Password Generation Website   github.com/rjmpham/whatspass

Hosted at **whatsinapassword.com** ; The generator comes is programmed in JavaScript with React as a the front end. Uses some API's to estimate the strength of the generated passwords. The password are designed to be nuanced but easy to remember.

Santi React Game   github.com/rjmpham/HackathonReactSanti

Hosted at **rjmpham.github.io** ; Created the classic game Santorini with React using the Model View Control paradigm. Uses React state methodologies to handle state changes. Hosted on my personal website, navagaiting to it with React Router.

Leadership & Volunteering:

Committee Rep: Computer Science Undergraduate Affairs Committee   2017 - 2018

Met weekly to modernize the curriculum for the BSc in Computer Science.

Vice-President: AWM University of Calgary Student Chapter   2018 - 2019
Association for Women In Mathematics: (AWM)

Founded the Association to created a safe and inclusive community for the study of math.

Representative: Society of Undergraduate Mathematics Calgary   2018 - 2019

Increased student and department communication and fostered mathematical skill in students.

Volunteer: Math Outreach University of Calgary   2019-Present

Demonstrated advanced math concepts in simple ways to enrich the learning of K-12 students.