

ELAINE AU-YANG

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EDUCATION

COMPUTER SCIENCE AND COMMERCE COMBINED DEGREE

University of British Columbia

Expected Completion: December 2021

Relevant Courses: Internet Computing, Intermediate Algorithm Design and Analysis, Introduction to Artificial Intelligence

Technical Skills/Languages: Java, React/Redux, Ruby on Rails, HTML, CSS, Typescript/Javascript, Node.js

Development Tools/Frameworks: Git, Jira, Confluence, JSON, Rails (MVC), Agile Development

Testing & Automation: Rspec, Capybara, Selenium/Webkit, Mocha, Chai

Other Skills: Microsoft Office (Word, Excel), Adobe (Photoshop, Illustrator, Lightroom, InDesign, Premiere Pro), GIMP, Canva

EXPERIENCE

Software Developer Co-op

Ayogo Health Inc.

July 2020 - Present

- Empowering medical patients through behavioral mobile apps built on Vue.js.

Software and Test Engineer Intern

REW.ca

May 2018 - December 2018

Software Development:

- Demonstrated leadership by driving and implementing full stack Ruby on Rails news platform with user and admin interfaces using ActiveAdmin, Rails controller logic, JavaScript and RESTful APIs.
- Increased client-facing site functionality and page visits by taking ownership of news content from an external platform using database schema migrations with PostgreSQL.
- Cross-collaborated with product and marketing teams throughout the project timeline to deliver on business requirements and determine suitable project criteria and scope.

Test Automation and Quality Assurance:

- Researched and conducted a test migration from the Selenium automated test framework to Capybara.
- Increased overall code coverage by 3% through request specs, system specs, RSpec unit tests and Javascript UI tests.
- Created robust test factories still in use today within Capybara and Selenium end to end automation tests.
- Improved SEO across site through manual and automated QA and debugging.

PROJECTS

BUDGET BUDDY Technologies: React.js, Redux, Express, Node.js, MongoDB

A financial planning web application featuring live-updating data visualizations and customized user spending and saving reports. Users are able to categorize income and expenses, with options to create custom goals and budgets.

DICTIONARY SERVER Technologies: Java

A client program using Java socket-related classes to retrieve definitions from a dictionary server using the client/server protocol described in RFC 2229.

DNS RESOLVER Technologies: Java

A scaled back DNS resolver client created with Java and UDP datagrams, taking in IPV4 and IPV6 addresses.

EXTRACURRICULARS

nwPlus

Marketing Strategist

April 2019 - present

- Increased following by over 200% on social media platforms by executing customized strategies for nwPlus events.
 - **nwHacks:** Achieved a 7% increase in registration from 2019, with 750+ hackers in attendance. A combined 100+ followers were gained during this event across our social channels.
 - **Local Hack Day:** Hosted the largest 2019 MLH Build Day in North America, registration increased 200% from 2018.
 - **cmd-f:** Hacker signups grew 200%+ in a year, with a volunteer waitlist.
- Launched monthly Mailchimp email campaigns with an average 40% open rate and 6% click rate.