

Rafael Carrilho

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Software Development Engineering Intern

Computer science student, continuously studying new technologies. Professional achievements include developing personal projects and studies projects. I am an individual with willingness to learn and have a passion to work and collaborate in team environments. Technical Skills include:

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|--------------|---------------|-----------|
| ▪ HTML | ▪ Java | ▪ MySQL |
| ▪ CSS | ▪ PHP/Laravel | ▪ MongoDB |
| ▪ JavaScript | ▪ Node.js | ▪ React |
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Education

Douglas College, New Westminster, BC

August 2023

Post-Degree diploma in Computer Science and Information Systems

- Relevant course: Web Based Scripting (LAMP stack), Software Engineering, Advanced Web Programming (ReactJS), Introduction to Mobile App Development (Android)
 - 3.5 GPA
 - Dean's Honor Roll achievement
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Academic Coursework

Advanced Web Programming with JavaScript and Ajax

- Built and configured a back-end server using Node.js
- Built a RESTful APIs for the front-end to access back-end services.
- Used JavaScript to validate form data and to manage state information.
- Used React and MVC design patterns to build web pages and connect to databases.

Software Engineering

- Learned how to identify and select the appropriate abstract data types for realistic problems
- Designed and implemented NoSQL databases in a cloud environment such as Google Firestore database.
- Developed and implemented Software Requirements according to a pre-determined schedule using Scrum methodology.
- Developed Unit, Integration and System tests.

Data Structures and Algorithms

- Discussed the fundamentals of algorithm complexities
- Identified and selected appropriate data types for small realistic problems
- Designed and implemented different Java programs using appropriate data structures
- Developed the skills of the modular approach to produce maintainable, documented and tested software.

Projects

ECommerce website– Course # Advanced Web Programming, Douglas College

December 2021

- In a group of two, designed and develop a full stack website using ReactJS and MongoDB frameworks.
- Used GIT/GitHub to conduct modern distributed source code management.
- Called ReactAxios to get Web APIs and transfer data from backend and update the states.
- Developed Node.js and Express.js to run script in server-side and to develop server-based applications and divert users to routes.
- Created a complete admin dashboard with exclusive features to access the data
- Followed REST API design rules and parsed multiple data types into JSON in the responses.

Punch It Android App – Course # Software Engineering, Douglas College

April 2022

- In a group of five, developed a mobile application software using native android and Firebase database.
- Translated UI design into a user-friendly android application
- Participated in developing during all phases of the Software Development Life Cycle.
- Applied lean and agile development methodologies principles in a team-based context.
- Utilized GitHub as source code version system.
- Testing application throughout the development and pre-deployment phases.
- Collaboration between the team along the project and in code review before the project deployment
- Participated in weekly scrum meeting to address issues and update tasks
- Implement design and architectural patterns.
- Used best practices to write documentation and clean coding.
- Participated in all phases of development, testing and release process

Other-Work Experience

Breka Bakery, Vancouver, BC

May 2021 to present

Server

- Fast-paced environment where my organizational skills were improved.
- Improved my ability to prioritize and manage my time effectively
- Environment where high collaboration of the team achieved success
- Responded favorably to unexpected changes

Interests

- Travel: enjoy experiencing and learning about new cultures; have travelled to Australia, Italy, Netherlands, France, Greece, Germany and Chile.
- Study new technologies: currently studying and improving my knowledge in the LAMP stack.