

RHYS BOWER

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Vancouver BC, Canada • Open to relocation in May 2018 • Eligible to work in the US

New grad with strong interest in backend, server infrastructure, and dev tools.

EDUCATION

Bachelor of Science, Major Computer Science

Sep 2015 - April 2018 (expected)

The University of British Columbia (UBC),

Vancouver, BC

Overall GPA: 3.3/4.0, CPSC GPA: 4.0/4.0

SKILLS

Languages: JavaScript, Java, PHP, C++, SQL

Libraries: React, Redux, express

Tools: Git, eslint, babel, webpack

EXPERIENCE

Undergraduate Teaching Assistant (UBC, Vancouver, BC)

May 2016 – Present

- Instruct and evaluate weekly labs to provide students with an opportunity to apply lecture material.
- Assisted instructors during lecture by answering questions and guiding students through problems.
- Develop CPSC 110 Handin, an assignment submission service written in Racket and PHP, and manage server infrastructure to ensure up-time of services for over 3,300 students.
- Extended web portal for course staff to publish graded files for students to download and view.

Research Assistant (UBC, Vancouver, BC)

May 2017 – Aug 2017

- Engineered a web app, BitFit, using Node and MongoDB.
- Integrated with the UBC single sign on service, CWL, using SAML and LDAP for authentication.
- Rewrote frontend client using React and Redux to maintain data consistency throughout the application lifecycle and Flow to reduce type errors.

Co-founder and Vice President (Cific, Surrey, BC)

Aug 2016 – July 2017

- Managed business filing requirements to maintain compliance with applicable laws.
- In a team of two, wrote custom WordPress plugins using PHP to parse hundreds of inventory items from internal management systems and display on website for easy access of company dealers.
- Designed system to allow searching for products matching given criteria and display results without page reloads using JavaScript.
- In a team of two, designed marketing website to promote the launch of new client programs.
- Created a cross platform iOS and Android app using the Ionic framework to reduce time to market while enabling the client to remain flexible with the future features and direction of the app.

PROJECTS

AirBC – Web App (PHP, MySQL, Twig, jQuery)

Jan 2017 – Apr 2017

- In a team of four, developed project requirements for a mock airline company booking website.
- Designed and implemented the app framework including a page router and database abstraction layer.
- Built an account system with permissions and hashing to help maintain a secure system.

InsightUBC – Web App (Node, TypeScript)

Jan 2017 – Apr 2017

- In a team of two, implemented system to cache input data in JSON for future request performance.
- Developed system to filter course sections based on search in TypeScript.