RHYS BOWER

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Vancouver BC, Canada • Open to relocation May 2018

EDUCATION

Bachelor of Science, Major Computer Science (Fourth Year) Sep 2015 - April 2018 (expected)
The University of British Columbia, Vancouver, BC

CAREER RELATED EXPERIENCE

Research Assistant May 2017 – Present
University of British Columbia, Vancouver, BC
- Worked under the direction of Celina Berg to add functionality to BitFit, an online tool to teach the C programming language.

Undergraduate Teaching Assistant May 2016 – Present
University of British Columbia, Vancouver, BC
- CPSC 110 (Computation, Programs, and Programming)
- Instruct and evaluate weekly labs to provide students with an opportunity to apply lecture material.
- Developed web portal for course staff to publish graded files for students.

Co-founder and Vice President Aug 2016 – July 2017
Cific Inc., Surrey, BC
- Design and implement the technical infrastructure for client's websites and apps.
- Manage business filing requirements to maintain compliance with applicable laws.

PROJECTS

BitFit – Web App (Node, JavaScript) May 2017 – Present
- Integrate with the UBC single sign on service, CWL, using SAML and LDAP.
- Create system to grade student submissions view results.

CPSC 110 Handin – Assignment Submission Service (Racket, PHP, Python, Bash) Sep 2016 – Present
- Manage server infrastructure to ensure reasonable up-time of course services.
- Developed web portal for course staff to publish graded files for students.

Sidler International – Website (PHP, JavaScript) Aug 2016 – May 2017
- Wrote custom WordPress plugins using PHP to parse inventory from internal management systems.
- Designed system to allow searching for products matching given criteria and display results.

AirBC – Web App (PHP, MySQL, Twig, jQuery) Jan 2017 – Apr 2017
- Designed and implemented the app framework including a page router and database abstraction layer.
- Designed an account system with account permissions, and hashing to maintain a secure system.

InsightUBC – Web App (Node, TypeScript) Jan 2017 – Apr 2017
- Implemented system to cache input data in JSON to be easily used for future requests.
- Developed system to filter course sections based on search in TypeScript.

Ignite Fitness – Android/iOS App (JavaScript) Aug 2016 – Oct 2016
- Designed marketing website to promote the launch of the fitness program.
- Created cross platform iOS and Android app using the Ionic framework to reduce time to market.