

SHIRLEY BI

Year 4, Computer Science Major, Expected Graduation May 2021

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EDUCATION

University of British Columbia

- **BCS in Computer Science** **Sept 2018 – Present**
- **BSc in Psychology, Minor in Commerce** **Sept 2011 – May 2015**

TECHNICAL SKILLS

Programming: Java, TypeScript, JavaScript, C++

Testing: JUnit, Mocha/Chai, TDD

Databases: SQL, MongoDB

Web: HTML, CSS, NodeJS, React, Redux, Meteor, PHP

TECHNICAL PROJECTS

VanGo: Itinerary Planner (Personal, Team of 3) *ReactJS, Redux, Meteor, MongoDB* **May 2019 – Present**

- Set up React components, Redux states, and MongoDB collections for the itinerary, login, and registration page for an itinerary planning web app
- Implemented user login and registration using Meteor Accounts, updating the state based on user-specific data, ensuring only user-specific data was published
- Designed the UI using Semantic UI and updated the project based off user feedback

Wine Inventory Manager (Academic, Team of 4) *SQL, PHP* **May 2019 – June 2019**

- Designed logical and physical data models of a wine warehouse and implemented an Inventory Management System to view, add, update, delete, and query a wine inventory with multiple user views using PHP and SQL

InsightUBC (Academic, Team of 2) *TypeScript, JavaScript, HTML, Mocha/Chai, TDD, NodeJS* **Jan 2019 – Apr 2019**

- Developed a NodeJS web app to query UBC building and course metadata by using asynchronous programming and a RESTful design, parsing HTML files and JSON objects, and testing with Mocha/Chai

Degree Navigator 2.0 (cmd-f Hackathon, 2nd place, Team of 4) *TypeScript* **Mar 2019**

- Implemented backend logic for tracking academic progress towards graduation

Budget App (Personal) *Java, JUnit* **Sep 2018 – Jan 2019**

- Produced dynamic reports on user income and expenses using observer pattern
- Implemented singleton pattern to restrict income data to one individual
- Created GUI using GridBagLayout in Java Swing and BarChart in Java FX

WORK EXPERIENCE

Receptionist/Administrative Assistant *QuadReal Property Group* **Oct 2017 – Sep 2018**

- Prepared reports and graphs for traffic, sales, tenant roll, and accounts

Moves Consultant *Shaw Communications* **Oct 2015 – Sep 2017**

- Created a scheduling script in VBA that scheduled and assigned responsibilities to agents that saved management several hours each month

Research Assistant *UBC Hospital, UBC Psychology, St. Paul's Hospital* **Aug 2012 – Aug 2015**

- Developed and managed websites for participant recruitment, securing 300 student participants within 2 weeks