

HERBERT MA

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PROJECTS

Tower Defense Game (Ocean-Defenders)

May 2019

- Utilized Google's **Firestore** **REST API** for leaderboard interaction
- Published a responsive Android application and **Unity WebGL** build
- Created scalable classes and functions for enemies, turrets, and UI

Web Application (SpaceShare)

Jan 2019 – April 2019

- A full-stack web application implemented with **Google Firebase** / **Bootstrap**
- Created a proof of concept within four sprints over three weeks
- Stored user generated information and filters through .JSON files through the use of **JavaScript, AJAX, CSS, and HTML**
- Utilized **Google Places API** to sanitize address information generated by users

HACKATHONS

BC Game Jam | Hackathon 1st Place Prize

Feb 2019

- Developed and pitched Sunseekers, an expansive exploration game within two days
- Implemented classes and methods using **C#** and **Unity** that utilized a stack data structure for the purpose of pooling expensive creation of in-game resources, which resulted in a significant performance increase in the game

Let's Hack YVR | 1st Place Prize

Mar 2019

- Designed and created UI / UX for a desktop and mobile web application aimed at assisting students / people find carpooling options
- Learned and practiced multiple development processes including **Scrum** and **Agile** to quickly build a prototype within 8 hours

EDUCATION

British Columbia Institute of Technology

Jan 2019 – Sep 2022

Bachelor of Technology in Computer Systems

Simon Fraser University

Jun 2013 – Sep 2017

Bachelor of Business Administration, Accounting

TECHNICAL SKILLS

PROGRAMMING LANGUAGES

C#, Java JavaScript, HTML, CSS

OTHER

Unity, Firebase, Amazon Web Services, NodeJS, MySQL, Bootstrap, Tableau, Alteryx, Git, OpenCV, Selenium, Trello

EMPLOYMENT EXPERIENCE

PricewaterhouseCoopers LLP

Oct 2017 – Dec 2018

Tax Associate

- Analyzed and discussed data analytics using **Alteryx** and **Tableau** related to financial results of internal tax group
- Co-ordinated day-to-day duties with global PwC offices and managed correspondence with over 30 clients
- Conceptualized complicated tax concepts to clients via tax consultations