



# JASON FAN

## ASPIRING DEVELOPER



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github.com/fanjason

## WORK EXPERIENCE

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### Software Developer Intern

OwlTing / [May 2018 – Aug 2018]

- Worked at a Ethereum Startup that raised \$6 million to build blockchain-based services.
- Added features to their new hotel booking service with 400 global hotel partners as a member of the OwlTing Travel development agile scrum team.
- Backend development – progressed in sprints to collaborate on their JavaScript API and learned to work with front end developers to create a finished product.
- Finished a simplified version of their hotel booking app to help incoming employees understand the new service.

## PROJECTS

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### Eth Room Booking / [JavaScript / HTML / Solidity]

github.com/fanjason/eth\_room\_booking

- Implemented a Blockchain room booking service with **Node.js, MongoDB, Express.js**, Bootstrap, and Ethereum.
- Full stack experience creating a **RESTful API** and deploying smart contracts.
- Extensive practice with JavaScript – dealing with promises [**asynchronous programming**], callback functions, and unit testing.

### Flappy Project / [JavaScript]

fanjason.github.io/Flappy-Project

- Developed a rendition of Flappy Bird – fully functioning with a start menu, dynamic instructions, and a high score counter.
- Learned to manage **game loop** for game simulation and implemented flags to manage **race conditions**.

### Bulls and Cows / [C++]

github.com/fanjason/BullsAndCows

- Created a console word guessing game made with Visual Studio for an online game development course.
- **Exception handling** to deal with user inputs – cases for repeating characters and invalid word lengths.

## SKILLS

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**Languages:** JavaScript, Java, C++, C, HTML, CSS, Solidity, TypeScript.

**Environments:** Node.js, Express.js, React.js, MongoDB, PostgreSQL, jQuery, Mocha.js.

**Tools:** Visual Studio Code, Git, Github.

**Platforms:** Linux / Unix, Windows, Mac, Android.

## EDUCATION

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### Business and Computer Science University of British Columbia

Combined Major – Sauder School of Business

[Sept 2016 – Expected Graduation: Apr 2021]

Key Courses: Algorithms and Data Structures [C++], Introduction to Computer Systems [C], Software Construction [Java].

### Udemy

In Progress: React 16 – The Complete Guide  
The Web Developer Bootcamp [Node.js]

## VOLUNTEER

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### Project Lead

#### Code the Change Foundation

Building open-source software solutions to enhance the effectiveness of non-profit organizations who don't have the means to develop it themselves.

Currently working on an Overdose Prevention App that displays support centre locations with Google Maps API – to be built for iOS and Android with React Native.

## INTERESTS

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Captain / UBC Recreational Volleyball

President and Founder / Magee Magic Club