

# TIGER OAKES

Software Developer with 7 years of experience in functional and object-oriented programming. Proven success creating custom solutions for a variety of businesses.

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tigeroakes.com  
Vancouver, BC  
github.com/NotWoods

## Work Experience

08/2017 – 12/2017

[yelp.com](#)

### Software Engineering Intern – Messaging

Yelp

- Built Describe Your Project, a feature to make it easier for users to request quotes from home services businesses.
- Created backend **Python** package and routes.
- Implemented UI with **React** and **Redux** using functional design.
- Wrote tree structure to track flows of questions to ask users.

05/2016 – 04/2017

[github.com/ubc-farm](#)

### Software Developer

Centre for Sustainable Food Systems at UBC Farm

- Developed custom software with the **UBC Work Learn International Undergraduate Research Award**.
- JavaScript program manages data for analyzing growth patterns.
- Used geometry calculations to let users draw out farm fields.

10/2009 – 08/2015

[omlhawaii.com](#)

### Web Developer and IT Manager

OML Contracting Co.

*Construction company building private resort residences in Hawai'i*

- Designed and developed portfolio to showcase residences.
- Built CSS 3D transformations for GPU accelerated parallax effect.

## Extracurricular

03/2017

[github.com/notwoods/the-golden-quest](#)

### The Golden Quest

*Voice based choose-your-own adventure*

- Built **Amazon Alexa** skill with Node for nwHacks 2017 Hackathon
- Used **regular expressions** to create custom file format for story.

12/2016

[github.com/notwoods/local-hack-day](#)

### Pass the Bomb

*Online multiplayer word game*

- **Selected by Microsoft as an outstanding project** in UBC Local Hack Day (12-hour hackathon).
- Developed online multiplayer with **Socket.io** in Node.js.
- Oversaw team while writing client portion of the game.

05/2014

[notwoods.github.io/big-island-buses/heleon](#)

### Big Island Buses

*Bus rider web app to replace Hawai'i paper bus schedules*

- Won **Grand Prize in Congressional App Challenge 2014, Hawaii's 2<sup>nd</sup> Congressional District**.
- Used JavaScript geolocation to find nearby bus stops & routes.

## Education

09/2015 – 04/2020

(expected with co-op)

### Bachelor of Science in Computer Science, 3<sup>rd</sup> Year

University of British Columbia

## Personal Projects

06/2014 – 05/2015

[notwoods.github.io/big-island-buses](#)

### Big Island Buses

- Continued project after contest.
- Implemented **AppCache API** allow the web application to run offline.
- Worked with the **County of Hawai'i** to integrate the app with the bus system.

04/2014 – 05/2014

[notwoods.github.io/mbta-energy](#)

### MBTA Energy

*Energy monitor program*

- Volunteered to create tool to assist teacher and his class in aggregating data.
- Automatically parsed data from Belkin WeMo Insight Switches and TED monitor.
- Implemented **FileReader API** and CSV parser.

02/2015 – 07/2017

[notwoods.github.io/latch-on](#)

### Latch-On

*Rope swinging game*

- Built platformer game in **C#** with **Unity**.
- Programmed custom grappling hook and swinging movement using **ray-casting**.

## Academic Projects

10/2016 – 12/2016

### Buses 'R Us

- Created **Android** application in **Java** for Software Construction course.
- Wrote calculations to filter bus route shapes and only display portions visible on screen.

## Awards

- Grand Prize: Congressional App Challenge 2014, Hawaii's 2<sup>nd</sup> Congressional District
- UBC Work Learn International Undergraduate Research Award
- UBC e-Portfolio Competition 2017 Finalist
- Hardcore Top 3, Yelp Hackathon 24.0