

TIGER OAKES

Software Developer with 6 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](https://www.yelp.com)

Software Engineer – Intern

Yelp

- Upcoming: will be working on Messaging team at Yelp

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 farm fields & split them into grid based plots.
- Implemented UI with **React** and **Redux** using functional design.

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.
- Applied **lazy-loading CSS** to speed up first render.

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.
- Implemented swiping gestures to allow intuitive submission.

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 2nd 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, 3rd 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 2nd Congressional District
UBC Work Learn International Undergraduate Research Award
UBC e-Portfolio Competition 2017 Finalist