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.

contact@tigeroakes.com
tigeroakes.com
Vancouver, BC
github.com/NotWoods

Education

09/2015 – 04/2020   (expected with co-op)

Bachelor of Science in Computer Science, 2nd Year
University of British Columbia

Work Experience

05/2016 – Present   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 stores data collected by farmers for researching and analyzing growing patterns.
- Used geometry calculations to let users draw farm fields and 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.
- Implemented CSS 3D animations to create GPU accelerated parallax effect.
- Applied **lazy-loading CSS** to speed up first render.

Extracurricular

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.
- Developed online multiplayer with **Socket.io** in Node.js and JavaScript within a 12-hour hackathon.
- 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 API to locate nearby bus stops and routes.

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.
- Calculated reports automatically generated by Belkin WeMo Insight Switch devices.
- Charted electricity usage for students to pinpoint abnormal energy fluctuations.
- Implemented **FileReader API** and CSV parser.

02/2015 – 06/2015   github.com/notwoods/latch-on

Latch-On Game

- Built platformer game in **C#** with **Unity**.
- Programmed grappling hook around **Box2D** physics engine.

Academic Projects

10/2016 – 12/2016

Buses 'R Us

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

Awards

Grand Prize: Congressional App Challenge 2014, Hawaii's 2nd Congressional District

UBC Work Learn International Undergraduate Research Award