



Tiger Oakes

Software Developer with 4 years of experience in functional and object-oriented programming. Proven success creating custom solutions for a variety of businesses.

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Vancouver, BC 
github.com/NotWoods 

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 programming 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 completed residences.
- Implemented **CSS 3D** animations to create GPU accelerated parallax effect.
- Applied lazy-loading CSS to speed up first render.

Personal Projects

05/2014 – 05/2015 (goride.tigeroakes.com)

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.
- Implemented AppCache API to allow the web application to run offline.

04/2014 – 05/2014 (tigeroakes.com/mbta-energy)

MBTA Energy

Energy monitor program for Myron B. Thompson Academy

- 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 high school students to analyze and pinpoint abnormal energy fluctuations.
- Implemented FileReader API and CSV parser in JavaScript.

Education

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

Bachelor of Science in Computer Science

University of British Columbia

Awards

Grand Prize: Congressional App Challenge 2014, Hawaii's 2nd Congressional District
UBC Work Learn International Undergraduate Research Award