

# 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

## Education

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

### Bachelor of Science in Computer Science

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 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 despite large images.

## Personal Projects

12/2016 – 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 more intuitive submission

05/2014 – 05/2015 (notwoods.github.io/big-island-buses)

### 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 API to locate nearby bus stops and routes.  
Implemented **AppCache API** to allow the web application to run offline.

## Awards

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