

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.

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, 3rd Year

University of British Columbia

Work Experience

01/2018 – 04/2018 vitalmechanics.com

3D Graphics & Simulation Developer

Vital Mechanics

Simulating skin for visual effects and prototyping clothing

- Refactoring **JavaScript** client that interfaces with **C++** server.

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.

Awards

- Grand Prize: Congressional App Challenge 2014, Hawaii's 2nd Congressional District
- UBC Work Learn International Undergraduate Research Award
- Finalist: UBC e-Portfolio Competition 2017
- Hardcore Top 3: Yelp Hackathon 24.0 (out of 44)
- Finalist: nwHacks 2018 (out of 800+)

Extracurricular Projects

01/2018

μzm

Enhancing learning and interactions at museums

- **Finalist, nwHacks 2018** out of 800+ people.
- Helped write **Android** app in **Java** to scan NFC badges on exhibits and patrons.
- Built server less backend with stdlib.

03/2017

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

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.

05/2014 – 05/2015

Big Island Buses

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.
- 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.

02/2015 – 07/2017

Latch-On

Rope swinging game

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