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

05/2018 – 07/2018 — notwoods.github.io/chrome-supersize-reports

Software Developer Intern – Chrome for Android
Google
- Redesigned & added new features to "Supersize", tool used to analyze thousands of files contributing to Google Chrome's size.
- Utilized **Web Worker**, **ReadableStream** to handle 180 MB of data.
- Updated **Java** Android compiler tools, shrinking Chrome by 30 KB.

01/2018 – 04/2018 — vitalmechanics.com

3D Graphics & Simulation Developer
Vital Mechanics
Simulates skin for visual effects and prototyping clothing
- Built **Typescript** Electron client that interfaces with **C++** server.
- Displayed 3D simulations using **WebGL** and **Canvas API**.

08/2017 – 12/2017 — yelp.com

Software Engineering Intern – Messaging
Yelp
- Built "Describe Your Project" with **Python**, a feature to make it easier for users to request quotes from home services businesses.
- 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.

10/2009 – 08/2015 — omlhawaii.com

Web Developer and IT Manager
OML Contracting Co.
#1 custom home builder in Hawai'i, building private resort residences
- Designed and developed portfolio to showcase residences.

Awards

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

Skills

Typescript | Javascript | Python | C# | Java | Node.js | Android | React

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.js 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**.