TIGER OAKES

contact@tigeroakes.com | github.com/NotWoods | Vancouver, BC (US Citizen)

Web developer with experience building 2 mobile web browsers. Specializing in high performance apps.

Education

University of British Columbia Bachelor of Science in Computer Science, 4th year   09/2015 - 05/2020

Experience

Mozilla, Part-Time Android Student Worker   09/2019 - 02/2020
- Wrote specifications for new web features as member of the **World Wide Web Consortium**.
- Managed communication and collaboration with **over 50 open source contributors** and returning volunteers.
- Collaborated with several global teams such as GeckoView, Platform, and UX to ship a finished product.

Mozilla, Firefox Android Developer Intern   05/2019 - 08/2019
- Helped team build and ship brand new web browser to **over 500,000 users on Google Play Store**.
- Engineer and one of the **feature leads for Progressive Web App support** in Firefox Preview,
  providing a native feel to **thousands of web apps**.

Google, Chrome Software Engineering Intern   05/2018 - 07/2018
- Built internal tool now in use by entire Google Chrome for Android team with **JavaScript** and **Python**.
- Used **streams** and **worker threads** to handle 180 MB downloads, rendering partial data in under 1 second

Vital Mechanics, 3D Graphics & Simulation Developer Intern   01/2018 - 04/2018
Vancouver startup simulating skin for VFX and prototyping clothing
- Built **TypeScript Electron** client that interfaces with **C++** server to display 3D simulations with **WebGL**.
- Migrated large program from **jQuery** to **React**, **Redux**, saving time and effort for future programmers.

Yelp, Software Engineer Intern   08/2017 - 12/2017
- Built new website feature in **Flow**, **React**, **Redux**, and **Python** for contacting local service businesses.
- Feature is shown on search page and displayed to approximately **1,000,000 users monthly**.
- Led hackathon team to build new product for in-restaurant experience which was picked up by sales team.

Centre for Sustainable Food Systems at UBC Farm, Software Developer   05/2016 - 04/2017
- Developed custom **TypeScript** software and wrote fill algorithm to classify farm fields.

Oakes Management LLC, Web Developer and IT Manager   10/2009 - 08/2015
#1 custom home builder in Hawai'i, building private resort residences.
- Designed and developed web portfolio, including GPU-accelerated parallax using **CSS** 3D transformations.

Community

Open Source
- Maintainer for **Rollup**, a popular JavaScript bundler written in TypeScript with **900,000 weekly downloads**.
- Built **Maskable.app** developer tool, recommended by Google, CSS Tricks, and industry veterans.
- Wrote web development articles for **CSS Tricks**, **MDN**, and **Google web.dev**.
- Implemented advanced configuration feature with **JavaScript** in Google's Travis Size Report.
- Added support for new commands with **Node.js** to appium-adb.

Skills

TypeScript | JavaScript | Python | Kotlin | Java | C# | Android | Node.js | React | Design | Vector Animation

Awards
- Finalist: nwHacks 2018 (out of 800+)
- Hardcore Top 3: Yelp Hackathon 24.0 (out of 44)
- Grand Prize: Congressional App Challenge 2014, Hawai'i's 2nd Congressional District