TIGER OAKES

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

Software developer with 10 yrs experience. Built 2 mobile web browsers & hundreds of open source projects.

Experience

Mozilla, Firefox Android Developer Intern & Part-Time Student Worker   2019-05 — 2020-08
- Built and shipped brand new web browser in **Kotlin** to **over 500,000 users on Google Play Store**.
- Served as a **feature lead for Progressive Web App support**, providing a native feel to **thousands of web apps**.
- Added Trusted Web Activity support to Firefox Preview, **featured in Chrome Dev Summit 2019 keynote**.
- Wrote specifications for new web app features as member of the **World Wide Web Consortium**.

Google, Chrome Software Engineering Intern   2018-05 — 2018-07
- Built internal tool used 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   2018-01 — 2018-04
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   2017-08 — 2017-12
- Built new web search page feature in **Flow**, **React**, **Redux**, and **Python** displayed to **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   2016-05 — 2017-04
- Developed custom **TypeScript** software and wrote fill algorithm to classify farm fields.

Oakes Management LLC, Web Developer and IT Manager   2009-10 — 2015-08
#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

Rollup
- Maintainer for Rollup, a popular JavaScript bundler written in TypeScript with **900,000 weekly downloads**.
- Used **Typescript compiler API** to compile and typecheck Typescript code for all users of Rollup plugin.

Open Source
- Built Maskable.app developer tool. Recommended by Google & CSS Tricks and is **used over 2,500 times/month**.
- Wrote web development articles for **CSS Tricks**, **MDN**, and **Google web.dev** with thousands of views.
- Implemented advanced configuration feature with **JavaScript** in Google's Travis Size Report.
- Added support for new commands with **Node.js** to appium-adb to interface with **Android** devices over USB.

Skills

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

Education

University of British Columbia, Bachelor of Science in Computer Science, 4th year   2015-09 — 2021-05

Awards

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