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 100,000,000 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 for Android, **featured in Chrome Dev Summit 2019 keynote**.
- Wrote specifications for new Web App Manifest features as member of the **World Wide Web Consortium**.
- Established testing infrastructure that improved code coverage by 150% and **doubled developer productivity**.

Google, Chrome Software Engineering Intern   2018-05 — 2018-07
- Built internal developer tool used by **entire Google Chrome for Android team** with **JavaScript** and **Python**.
- Used **streams** and **background threads** to handle 180 MB downloads, rendering partial data in under 1 second.
- Implemented keyboard navigation for tree structure to speed up productivity and add accessibility support.

Vital Mechanics, 3D Graphics & Simulation Developer Intern   2018-01 — 2018-04
- 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
- Designed and developed web portfolio, including GPU-accelerated parallax using **CSS** 3D transformations.

Community

Open Source
- Built Maskable.app developer tool. Recommended by Google & CSS Tricks and is used **over 5,000 times/month**.
- Implemented icon features for Google Bubblewrap & Microsoft PWABuilder, used **over 2,000 times/month**.
- Added support for new commands with **Node.js** to appium-adb to interface with **Android** devices over USB.

Speaking and Writing
- Speaker at upcoming **CascadiaJS 2020** conference with **1,000 predicted online attendees**.
- Wrote web development articles for **CSS Tricks**, **MDN**, and **Google web.dev** with thousands of views.
- Authored guidebook on **MockK** testing library for **Kotlin** and **Android**, with **over 5,000 views/month**.

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   2015-09 — 2021-05

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