Ty Gooch

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01. EMPLOYMENT HISTORY

Software Engineer
Wonderschool / Sep 2021 - Current
- Developed new features & provided engineering support for our iOS & Android apps built with React Native & Firebase.
- Migrated legacy React Native codebase to a managed Expo workflow with a custom development client, allowing my team to take advantage of a more modern & efficient development experience.
- Integrated a custom SSO solution with our mobile applications, allowing us to offer a more seamless experience for our users.

Frontend Software Engineer
CJ Affiliate / Dec 2019 - Sep 2021
- Built progressive web app using React, Node.js, and AWS Lambda, allowing for an interactive data visualization experience & automated pdf generation of benefits for potential leads.
- Created plug in plug and play/WYSIWYG integration for non engineers to publish data visualizations to our website, freeing engineering resources and allowing for an expedited turnaround time for marketing material involving data visualizations.
- Rebuilt critical pages in React and Next.js, improving SEO webrank, leading to an increase in Google rankings and ultimately higher lead conversions.
- Implemented more in depth users analytics using Google Analytics and Pardot, creating a pathway for a continual audit of our marketing resources.

Software Engineer Intern
UCSB Enterprise Technology Services / May 2018 - Sep 2019
- Designed & developed web apps for UCSB's Identity & Access Management portal using Aurelia.js & Spring MVC.
- Accomplishments include leading a large scale UI redesign, automating build processes, and identifying & securing vulnerabilities in our codebase.

Software Engineer
Grassp Health / Sep 2018 - June 2019
- Designed & built Progressive Web App for delivery drivers & customers using React + Redux and Spring MVC.

02. PROJECTS

Amazon Giveaway Bot - Chrome extension to win Amazon Giveaways
- Built with vanilla JS and Webpack.
- Bypasses Amazon's bot detection measures to quickly enter giveways and win free products.
- Features CAPTCHA solving, customizable filters, and UI designed for non-technical users.

UCSB Map - Interactive map of the UCSB campus
- Built with React/Redux, Leaflet.js, Java Spring MVC, and MongoDB.
- Features a fully responsive UI, custom map tiles, predictive search, and interior floor plans.

03. EDUCATION

UC Santa Barbara
Computer Science Engineering / 2014 - 2019
- Coursework focused on software development alongside data structures & algorithms.