Ty Gooch

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01. EMPLOYMENT HISTORY

Software Engineer Intern
UCSB Enterprise Technology Services / May 2018 - Current
- Responsible for leading frontend development on the Identity & Access Management team.
- Designed, implemented, & tested new features for web apps built with Aurelia.js & Spring MVC.
- Accomplishments include designing & deploying a brand new UI for UCSB's account management website, automating the build process between our back & frontend services, and designing a reusable component library to achieve consistency throughout our apps.

Frontend Software Engineer
Grassp Health / Sep 2018 - June 2019
- Designed & developed new features for a web app built with React/Redux and Spring MVC.
- Worked closely with CEO & CFO to design a new user interface using Material-UI.
- Successfully released updated application as a Progressive Web App with support for service workers, push notifications, and offline support.

02. PROJECTS

Amazon Giveaway Bot - Chrome extension to win Amazon Giveaways
- Built with vanilla JS and Webpack.
- Features include CAPTCHA solving, customizable filters, and support for multiple accounts.
- Bypasses client side validation to enter giveaways without fulfilling time intensive entry requirements.

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 styled map tiles, an easy to use search tool, and interior floor plans to make finding rooms easier than ever.
- Integrates easily with UCSB online schedules via a chrome extension, allowing students to view classroom locations with one click.

Isla Vista Emergency Map - Interactive map of real time emergencies
- Built with React/Redux, Express.js, Google Maps, and MongoDB.
- Streams live tweets from SB County Fire using the Twitter API.
- Converts addresses from tweet content into map markers using Google Maps API.

03. SKILLS

LANGUAGES	FRAMEWORKS	TOOLS & TECH	UI/UX
JavaScript (ES6+)	React.js, Redux	Node.js	Adobe Illustrator
HTML, CSS	Express.js	Webpack	Sketch App
Bash	Aurelia.js	Leaflet.js	Material-UI
Java	Gatsby.js	Linux	Bootstrap

04. EDUCATION

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