Ty Gooch

805-705-6502
https://tygoo.ch
gooch.ty@gmail.com

EMPLOYMENT HISTORY

Software Engineer Intern - UCSB Enterprise Technology Services

Currently leading frontend development on the Identity & Access Management team. Responsibilities include the design, implementation, and testing of new features for our web apps written in Aurelia JS alongside maintaining/updating legacy code to conform with latest standards. Accomplishments include releasing a major UI redesign, overhauling our dev environment to get HMR working between our Spring Boot templates and Webpack dev server, and rewriting legacy PHP services in Aurelia JS.

PROJECTS

UCSB Map - https://github.com/TyGooch/ucsb-map

Full stack web app built with React/Redux, Leaflet.js, Spring Boot, and MongoDB
Features a fully responsive UI, custom styled map tiles, an easy to use search tool, and interior floorplans 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

Amazon Giveaway Bot - https://github.com/TyGooch/amazon-giveaway-bot

Uses JavaScript to scrape data from giveaway listings and interact with DOM elements
Bypasses client-side validation to force entry into giveaways without fulfilling entry requirements
Automatically solves CAPTCHAs to evade bot detection

Isla Vista Emergency Map - https://github.com/TyGooch/iv-emergency-map

Full stack web app built with React/Redux, Express.js, Google Maps, and MongoDB
Streams live tweets from SB County Fire using the Twitter API which
Accounts for typos and invalid addresses before converting locations into map markers using Google Maps API

SKILLS

JavaScript, jQuery
React.js, Redux
Node.js,
Webpack
Aurelia.js
Express.js
MongoDB, PostgreSQL
HTML, CSS, Sass
Google Maps, Leaflet.js

EDUCATION

UC Santa Barbara - Computer Science Engineering (2019)
Coursework focused on data structures and algorithms, software development, and discrete mathematics