

# Scott Henderson

Full-Stack Software Engineer

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Industrious and detailed-oriented software developer skilled in independent problem solving and team collaboration. Previously worked for four years in Civil Engineering designing infrastructure plans for grading, drainage, wheelchair accessibility and storm water pollution prevention.

## Software Development Skills

- Experienced: JavaScript (*PERN* - PostgreSQL, Express, React, Node.js), PHP (WordPress, Advanced Custom Fields), SASS, RESTful API, HTML, CSS, Git
- Familiar: Bootstrap, C, Flask, Jinja, Python, SQLite

## Experience

Vert Digital | Full Stack Development Intern, then Contractor | Atlanta, GA May 2022 - Sept 2022

- Automated [Vert Digital](#) staff page to pull data from WordPress database, reducing ongoing maintenance by 95%
- Prepared JavaScript form validation and PHP API endpoints for [Sonny's BBQ](#) customer preferences
- Enhanced [Oglethorpe University's](#) top level pages, integrating Advanced Custom Fields for client's ease of editing
- Completed Research project - "What can web developers learn from TikTok's User Interface & User Experience?"
- Analyzed customer websites and improved SEO rankings through Google Analytics and Core Web Vitals

## Education

DigitalCrafts | Certificate in Software Engineering | Atlanta, GA July 2021 – Dec 2021

- Successfully completed 26-week software engineering training program covering full-stack development including JavaScript, React/Redux and server-side technologies including Node.js, Express, and PostgreSQL

Harvard University via edx.org | CS50x - Introduction to Programming class 2020

- Successfully completed introductory course into concepts of abstraction, data structures, object-oriented programming, memory management, security, software engineering and web development
- Covered C, Python, SQL, JavaScript, CSS, HTML, Flask, Jinja

JavaScript Unit Testing – The Practical Guide | Udemy 2023

- Introduction to automated unit testing using Vitest and Jest
- Covered topics on test driven development (TDD), mocking and spies to ensure robust and reliable code

University of the Pacific | B.S. in Civil Engineering | Stockton, CA 2007 – 2012

## Software Portfolio

Media Watch List | <https://media-watchlist.vercel.app> | [github.com/smhenderson89/media-watchlist](https://github.com/smhenderson89/media-watchlist) Dec 2021

- Scrum leader for Media Watch List, a full-stack website to help parents make educated decisions on media
- Member of a three-person team using Agile methodologies, roles included: database structure, back-end route handling between the database and user login, serving information from The Movie Database API, IMDB Parent Guide, Common Sense Media and the Just Watch streaming website
- Built with React, Redux and Sequelize, PostgreSQL and Bootstrap

Easy Recipe 123 | <https://easyrecipe-vnwn.onrender.com> | [github.com/smhenderson89/easyRecipe](https://github.com/smhenderson89/easyRecipe) Nov 2021

- Created front-end recipe search website to find info for recipes, add recipes to favorites, or generate a shopping list
- Used React, Redux, React-Icons, Bootstrap, JavaScript

Florida Man Horoscope | <https://floridaman.onrender.com/today> | [github.com/smhenderson89/FloridaMan](https://github.com/smhenderson89/FloridaMan) Dec 2020

- Created website to discover wacky "Florida Man" news stories that occurred on the same day as the user's birthday
- Wrote Beautiful Soup Google News web scraper to generate and save over 2,000 entries into a SQL database
- Awarded Best Project of the Month Jan 2021 by Career Karma
- Used Python, Beautiful Soup, Jinja, SQLite, Flask, Heroku deployment, Render deployment

## Previous Work Experience

Carroll Engineering | Design Engineer | San Jose, CA 2017 - 2018

- Prepared ADA/Stormwater Runoff construction plans for California State Architects for comments and approval