Alexander Carr

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Software Engineer with 8 years experience in software and technical productions, specializing in automation, with some web development experience. Open to working in-person or remote.

Skills
- Proficient with modern javascript and React; Confident with full stack development using both MERN and LAMP stacks.
- Excellent verbal and written communication skills.
- Thrives under pressure, Innovative problem solver.

Projects

- **Chattable**: github.com/AlexanderGalen/Chattable | chat.alexandergalen.com
  Worked with four teammates over one week to develop an instant messaging app for different users to be able to instantly communicate with each other. Uses Express as a server, MySQL as a database with sequelize as an ORM, and Socket.io for instant message transmission.

- **Cats vs Dogs**: github.com/AlexanderGalen/Cats-vs-Dogs | game.alexandergalen.com
Worked with a team of five over one week to create a web clone of the game "codewords". Uses a MERN stack, along with Socket.io for game events, and GraphQL on top of MongoDB.

- **NutriTech**: github.com/AlexanderGalen/NutriTech | nutritech.alexandergalen.com
  Worked with three teammates over the course of a week to create this simple front end app designed to allow users to search for meals with a keyword and receive a recipe including those keywords as well as nutritional information for that dish displayed on a graph.

Experience

Automation Engineer @ Graphic Business Solutions (*2013 - 2019*)
Designed, built, and maintained custom internal software and user interfaces for a large marketing stationary production company in San Diego.
- Built apps, scripts, and sites with JS, NodeJS, React, PHP, MySQL and other tools.
- Redesigned and updated the internal intranet from using classic ASP.net to modern tech stacks, including React, for increased stability and extensibility.
- Collaborated directly with the CIO on solutions for production line efficiency and designing software for new product lines.
- Increased rate of production 10x by introducing automation to historically analog production lines.
- Researched and employed leading web technology to solve constant new problems in a fast paced work environment.
- Attended React Conference 2018 to bring latest best practices into the org

Software Engineer (Volunteer) @ Youth Venture Teen Centers Worked with a team of four volunteers to create a customized web based check-in system for a non-profit teen center, using the Angular.js framework, PHP, and PostgreSQL.

Education
- UCSD Extended Studies, San Diego, CA
  Full Stack Web Development Certificate