

JOSEPH GARRETT CORBIN

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Portfolio: <https://jgarrettcorbin.com>

GitHub: <https://github.com/antieatingactivist>

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PROFILE

Multidisciplinary Software Developer with a focus on Full Stack Web Development and Embedded applications with experience working on teams using Agile practices such as pair-programming and maintaining good Git workflow.

PROJECTS

TECH BLOG - A FULL STACK BLOG APP WITH RETRO "HACKERS" LIKE STYLING

Repo: <https://github.com/antieatingactivist/Tech-Blog>

Live link: <https://guarded-springs-42532.herokuapp.com/>

- Solo project that uses MVC design pattern, RESTful routes, and MySQL as the database.
- Handlebars is used for templating and Sequelize ORM is used to interface with the database.
- CSS transform and perspective is used heavily to give a 1980's virtual reality effect.
- Deployed on Heroku using JawsDB.

RGB STRIP CONTROLLER - EMBEDDED APP PROVIDING AN ELEGANT LED STRIP INTERFACE

Repo: <https://github.com/antieatingactivist/RGB-strip-controller>

Demo: <https://antieatingactivist.github.io/RGB-strip-controller/>

- Post-education project uses a React front end to communicate with an esp8266 microcontroller over WiFi.
- React-color library is used for color picker sliders.
- Backend uses C++ with Arduino and esp8266webserver libraries to implement REST routes.
- Adafruit Neopixel library is used on the back end to operate the addressable RGB strips.
- EEPROM is utilized so that the configuration persists through power-off.
- Wrote a Python script to convert React build to PROGMEM which enables frontend hosting on the microcontroller itself. This script is located at <https://github.com/antieatingactivist/ESP8266-react-server>

STORY FACTORY - A FULL STACK SOCIAL MEDIA BASED CREATIVE WRITING APP

Repo: <https://github.com/antieatingactivist/Story-Factory>

Live link: <https://quiet-sierra-37143.herokuapp.com/>

- Led a team of 3 to create an app that uses React.js to communicate with MongoDB via Mongoose.
- Bcrypt and Javascript Web Tokens used for user authentication.
- Deployed with Heroku.

WORK EXPERIENCE

COURIER AT KING COURIER

San Francisco, CA, 2019- 2021

- Used teamwork and time management skills in a non-technical role while honing technical skills at home.

DIESEL/GENERAL MECHANIC & AUTOMATION TECH AT WOOD YOU RECYCLE

Albuquerque, NM - 2016-2019

- Programmed Siemens PLC's, designing custom controllers using Atmel microcontrollers and EAGLE.
- Maintained a fleet of about a dozen large diesel trucks and machines at their two locations.

EDUCATION

STUDENT AT UC BERKELEY EXTENSION FULL STACK WEB DEVELOPMENT BOOTCAMP

12/2021 - 2/2022

- Expanded knowledge of Javascript, HTML, CSS, MySQL and MongoDB and their commercial applications.
- Built interactive websites and server backends using Node.js and Express.js.
- Became proficient in libraries and frameworks including React, Bootstrap, and jQuery.