

Ethan Collins

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Full-stack web developer with a background in computer science. I went to college for 2 years pursuing a degree in computer engineering, where I took courses in computer science, computer logic, electronics, and physics, using software such as MATLAB. I also have experience with AutoCAD, and reached Texas state level for technical drafting in 2015. Graduated from Flatiron School Denver in October, 2019, where I learned Ruby on Rails, JavaScript, React.js, SQL, REST API, and agile software development.

TECHNICAL PROJECTS

Water.pi - [Github](#) | [Demo](#) | Node.js, Express.js, Vue.js, Vuex, Vue-router, Socket.io, Python, PostgreSQL

Web App to Automate Monitoring and Watering of Plants, using a Raspberry Pi

- + Deployed frontend on Firebase, built using Vue.js, with Vuex and Vue-router.
- + Deployed RESTful API to Heroku, built using Node.js, Express.js, and Socket.io with a PostgreSQL database.
- + Wired and programmed soil moisture sensor and peristaltic pump to monitor and water a plant using a Raspberry Pi.
- + Used a Raspberry Pi to automate monitoring and watering of plants, and send data to the backend using websockets.

Survey Manager - [Github](#) | [Demo](#) | Node.js, Express.js, React.js, PostgreSQL

Web App to help Property Managers to organize and automate survey scheduling

- + Deployed frontend on Firebase to allow easy and quick access, built using React.
- + Deployed RESTful API to Heroku, built using Node.js and Express.js, with a PostgreSQL database.
- + Built an email system using Nodemailer to allow Property Manager to easily email a list of properties to employees.
- + Created a system to easily update and automatically organize existing properties, to make the software maintainable at scale.
- + Utilized JWT authentication to secure user login and verify future requests to the backend API.

Fantasy Football Draft - [Github](#) | Ruby on Rails, ActiveRecord, SQLite

Web app which allows user to compare stats of many players, filter by position, and save to their roster

- + Built using Ruby on Rails and ActiveRecord, with a SQLite database.
- + Created login system with working validations.
- + Used filtering to allow user to easily sort players by position.
- + Collaborated with a team member to create a 2 person project in 5 days.

TECHNICAL SKILLS

JavaScript, Ruby on Rails, Node.js, Express.js, React.js, Vue.js, AWS, TypeScript, PostgreSQL, ActiveRecord, HTML, SCSS

EMPLOYMENT HISTORY

Wick Mullins Property Management, Spring, TX

Property Manager Assistant, *June 2018 - July 2019*

- + Worked with 200+ tenants and property owners to organize scheduling of inspections and surveys.
- + Created spreadsheets to automate organization of upcoming property surveys, saving over 6 hours per week.
- + Communicated with owners and tenants to handle maintenance and changing of locks upon move-in move-out.
- + Dealt with difficult situations with priority and care when they arose, such as evictions or late payment warnings.
- + Conducted bi-yearly surveys of properties and handled returns of deposits or denial of deposit returns.

Wick Mullins Property Management Spring, TX

Landscaper/Contractor, *February 2019 - July 2019*

- + Cleaned up and maintained properties before move-ins and during property sale periods.
- + Conducted full walkthroughs of property, insuring all appliances and electronics functioned correctly.
- + Increased property values by an average of \$3,000 by weeding, mulching, planting flowers, and trimming trees and hedges.
- + Mulched 200-300 square feet of flower beds per day, keeping up with the rate of landscaping work coming in.

EDUCATION

Flatiron School - 2019

- + Full Stack Web Development Program
- + Technologies: Ruby, Ruby on Rails, JavaScript, React.js, SQL, Git

Lone Star College - 2017-2019

- + Computer Engineering Program
- + Coursework in Computer Science, Electronics, Computer Logic, and Physics