

# Andrew Zeller

## FRONTEND ENGINEER

### SUMMARY

Early-career frontend engineer with 3 years of experience developing software-enabled hardware products in agile startup environments.

### WORK EXPERIENCE

**WeWork** · Mechanical Design Engineer L4 · June 2019 - March 2020

- Designed and delivered hardware prototypes for mail delivery robot, wireless bluetooth camera, and desk booking indicator

**Fetch Robotics** · Mechanical Engineer L3 · June 2017 - May 2019

- Led mechanical design of RollerTop mobile conveyor by driving it from internship project to an in-production design deployed to customer site
- Led frontend development of opensource.fetchrobotics.com, a resource site for Fetch research customers built with Jekyll and SASS
- Achieved promotion from L1 to L3 in 18 months by demonstrating reliability, resourcefulness, and clear documentation across several projects
- Developed company Intellectual Property as lead inventor of two patents

### PATENTS

- Compact Payload Stopper for Mobile Robot... US 16/355487 · Pending
- Robotic Payload Transfer System US 16/816096 · Pending

### PROJECTS

**MyTop50 Spotify** · mytop50.com · 2020

- Developed responsive web app to give Spotify users a ranking of their top tracks and artists over time
- Deployed app to serve over 1,000 users and 20k+ pageviews
  - React, Next.js, Express.js, Styled-Components, Spotify Web API, Heroku

**Vacation Rental Site** · visitegg Harbor.com · 2020

- Reduced middleman booking fees for freelance client by enabling direct bookings with guests by integrating site with OwnerRez booking platform
  - React, Gatsby.js, Styled-Components, Netlify, Sanity.io CMS

**Weather App** · getweather.now.sh · 2020

- Developed real-time weather single page app with smart location search
- Implemented user authentication with Auth0 and favorites with mongoDB
  - React, Next.js, Auth0, OpenWeatherMap API, Google Places API, mongoDB

**VocalFocals Senior Design** · Software Lead · 2017

- Led team to create wearable text recognition device for the visually impaired
- Remotely developed software to detect, translate, and playback text to user
  - Google Cloud Vision API, Raspberry Pi, Python



Awarded top senior design project of Fall 2017 graduating class

**zeller.io**

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### EDUCATION

**The University of Alabama**

BS Mechanical Engineering

GPA: 4.0 / 4.0

December 2017

**freeCodeCamp.org**

Full-Stack Developer

Certification

February 2020

### SKILLS

#### Languages

JavaScript ES6 · Python · Ruby

#### Libraries & Frameworks

React · Redux · Node.js

Next.js · Gatsby.js · Express.js

#### APIs

RESTful APIs · GraphQL

#### Database & CMS

mongoDB · Sanity.io

#### Data Visualization

D3.js · Recharts

#### UI Design Tooling

Sketch App · SASS/CSS

Styled-Components

Framer Motion

#### Deployment

Heroku · Netlify · Digital Ocean

Zeit Now

#### Collaboration

Git · JIRA · SmartSheets

### OUTSIDE OF WORK

· Aerial photography

· Stand-up paddleboarding