

Technical Skills

Strong: JavaScript, HTML, CSS, Bootstrap, MongoDB, Mongoose, Express.js, React, Node.js, AJAX, Git, TailwindCSS

Experienced: jQuery, AWS EC2, MySQL, d3js, Jest, Enzyme, Heroku, Redux, C, Python, SQL, NoSQL, New Relic, Artillery, Agile

Software Engineering Applications

FleetFarmingApp | *Software Engineer* | github.com/FleetFarming | [projectplan](#)

React, Express, MySQL, Node.js, AWS

Senior Project for non-profit urban agriculture program to provide a web-based social platform for local farmers.

- Implemented a requirement, and design document to establish the exact expectations for the overall project
- Constructed a messaging system where farmers can create and manage communication with other farmers
- Utilized the Google Map API to locate the local farmers, and their farm's info with a search box, and filter options
- Integrated a farm layout with React-Konva for users to design their top-bottom view of a farm's landscapes.

Meshbnb | *Software Engineer* | github.com/sdc-dragon-stone/am-service | [journal](#)

MongoDB, Express, React, Node.js, AWS

Microservice to support reviews on renting hospitality service web application designed with SOA

- Wrote a seeding script to seed 20 million entries in MongoDB under 40 minutes for efficient data population
- Benchmarked CRUD operations with New Relic and Artillery for measuring RPS, latency, and error type.
- Integrated a stress test on deployed microservice with loader.io to ensure how much traffic can be handled at most
- Scaled up horizontally from 200 RPS up to 1000 RPS with a < 1% error rate, and avg resp 164 ms, using AWS ELB

DailyHarvestClone | *Software Engineer* | github.com/rpt12-fec-ateam/Carousel

MySQL, Express, React, Node.js, Bootstrap

Carousel-Item microservice for a healthy food delivery app designed with SOA

- Built a carousel microservice UI with React, Bootstrap for a more perceptive and pleasant user experience
- Implemented TDD using Jest and Enzyme to ensure the UI efficiency
- Constructed UI with Style-Components to keep concerned of styling and avoid CSS conflict
- Deployed & connected the service, the database, and the proxy server to AWS EC2 t2.micro instances

Experience

Full-Stack Developer - Volunteer | [MakeSoil.org](https://www.makesoil.org)

2021 - Current

- Write modern, performant, maintainable code for a diverse array of features requirement
- Provide continuously maintenance and development of bug fixed for existing web platform
- Work with a variety of different technologies, and frameworks, such as JavaScript, TypeScript, React, and GraphQL
- Communicate with the development team and product managers to ideate software solutions

GUI Developer | [Florida Institute of Technology](#)

2019 - 2021

- Developed and shipped a highly interactive GUI web application for Embraer using React.js
- Built and shipped various kinds of data visualization GUI related to manufacturing operations data with D3.js
- Prototyped and implemented a real-time Gantt chart to monitor the technician labor hour on/off
- Contributed to creating a custom scheduling calendar by enhancing the existing open-source code

Education

Florida Institute of Technology | Computer Science

2021

Hack Reactor @Galvanize | Advanced Software Engineering Immersive Program

2019

Eastern Florida State College | Associate in Arts Degree

2018

Personal

Some of my hobbies include playing table tennis, working out at the gym, and performing card magic tricks.