

LUIS GARCIA

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EDUCATION

UNIVERSITY OF TEXAS | AUSTIN, TX

April 2022- Oct 2022

Certification of Completion in Full Stack Web Development

An intensive program focused on gaining technical programming skills in creating Full Stack applications using a variety of technologies.

TEXAS A&M UNIVERSITY | COLLEGE STATION, TX

Aug 2016- May 2021

Bachelor Of Science: Civil Engineering

TECHNICAL SKILLS

Front End: HTML, CSS, JavaScript, jQuery, Bootstrap, Sass, Tailwind, React.js

Back End: Node.js, MongoDB, MySQL, SQL Server

Other Tools: Git, Apollo GraphQL, Heroku, Homebrew

PROJECTS

BuildTX

Repo: github.com/garcia2697/skirt-skirt

Deployed: <https://earnest-smakager-954b20.netlify.app/>

- Developed an online resource web application, as a personal project, to better organize, filter, and access public government data.
- Responsibilities included setting up the framework to fetch, filter, and display the data based on user input and delegating work to a colleague to set up the front end UI .
- Leveraged Axios library to fetch and filter the database from a government API, while React framework was primarily used to display the fetched results on the front end.
- Web application is currently in use by a local Civil Engineering Design firm.
- Technologies: JavaScript, React, SASS, Axios

Track Stream

Repo: github.com/garcia2697/streaming-service-tracker

- Collaborated with a group on creating a full stack website used to track monthly expenses on streaming services.
- Created the REST routes and designed the front end views.
- Front end views were created using handlebar.JS.
- Technologies: JavaScript, MySQL, NodeJS, Heroku, express-handlebars

Happy Paws

Repo: github.com/garcia2697/vroom-vroom

- Developed a full stack website, as a group project, to help users post and find pets for adoption.
- Responsibilities consisted of developing the back end, displaying backend data on the front end using middleware, and configuring the UI layout.
- MongoDB was used as the online database, React was the primary front end framework to display the database and Apollo GraphQL was used as the middleware to update the database based on user input in the front end.
- Technologies: JavaScript, React, TailWind, NodeJS, MongoDB, Apollo, GraphQL.

EXPERIENCE

American Structurepoint

May 2021- Current

Staff Engineer

Austin, Tx

- Provided technical and professional engineering support services in design, construction and traffic engineering.
- Analyzed survey reports, maps, blueprints and geologic data to plan infrastructure and construction projects.
- Reviewed technical drawings developed by CAD technicians and drafters.
- Developed cost estimates and project specifications for proposals.

Texas A&M Transportation Institute

Oct 2019- May 2022

Undergraduate Research Assistant

College Station, Tx

- Maintained a notification database that kept track of all construction projects for Interstate 35.
- Created 4 research documents for a study on automated vehicles impact on highways.

City of Seguin

May 2019- Aug 2019

Civil Engineering Intern

Seguin, Tx

- Surveyed and performed asphalt analysis on over 100 existing road corridors.
- Provided technical documents regarding road quality to The City of Seguin to use for their annual city budget.