

# ELLIS ALCANTARA MARTINEZ

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## TECHNICAL SKILLS

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**Languages:** Python, Javascript, Typescript, Java, HTML/CSS

**Development Tools:** React.js, Flask, Node.js, MySQL, Bootstrap, REST API

**Other Tools:** Git, Amazon Web Services, Firebase, Visual Studio Code, Unix/Linux, Homebrew

## EXPERIENCE

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### HiveRnD

**May 2021 – August 2021**

*Software Engineer Intern*

*Birmingham, Alabama*

- Revamped the front-end portion of the site using Javascript, Typescript, React, and ChakraUI.
- Built different pages for the site, such as the profile page and registration page, using functional components made with Typescript and components from the ChakraUI library.
- Connected components with Java based back-end services that would create and update user data that is stored in a MySQL database.
- Worked in an Agile environment which included using Jira for issue tracking, code reviews, and the use of git for version control.

## PROJECTS

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### Portfolio Site | *JavaScript, React, AWS, HTML, CSS*

**[ellisalcantara.com](https://ellisalcantara.com)**

- Developed a web-application to display my projects, which includes a description and link to Github for each individual project
- Utilized React, HTML/CSS, and the react bootstrap library to develop the web application.
- Learned about the deployment process of a website and launched the site using AWS Amplify.

### Audio Recognition Web-App | *Python, Flask, HTML, CSS*

**[github/audio-recog](https://github.com/ellisalcantara/audio-recognition)**

- Developed a web-application, utilizing Python, Flask, and HTML/CSS, that utilizes a .wav file and returns a transcript of the file to the user.
- Integrated a speech recognition library, which has support for several engines and APIs. In this instance, Google Speech Recognition was implemented for this project.

### Caviar Coin Site | *TypeScript, React, Aphrodite, MongoDB*

**[bit.ly/CaviarCoin](https://bit.ly/CaviarCoin)**

- Helped in the development of a web-application for the crypto-currency 'Caviar Coin' by working closely with other developers and a UI designer to build out the site before the launch of the coin.
- Used TypeScript and React to develop and implement components for the site. For styling, the Aphrodite framework was used to do CSS-in-TS
- Used MailGun API in order for users to send us emails. Also used MongoDB to store a users name and email that they enter.

## EDUCATION

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### University of Alabama - Birmingham

**August 2019 – May 2023**

*Bachelor of Science in Computer Science and Mathematics*

*Birmingham, Alabama*

## RELEVANT COURSEWORK

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- Data Structures and Algorithms
- Object-Oriented Programming
- Scientific Programming
- Linear Algebra
- Systems Programming
- Introduction to Optimization