

ELLIS ALCANTARA MARTINEZ

📞 205-767-4529 ✉ ellisalcantara@gmail.com [linkedin/ellis-alcantara](https://www.linkedin.com/in/ellis-alcantara) [github/EIIis](https://github.com/EIIis)

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Java, HTML/CSS

Development Tools: React.js, Node.js, Selenium, RESTful API

Other Tools: Git, Amazon Web Services, Firebase, MongoDB, Visual Studio Code, Unix/Linux, Postman

EXPERIENCE

Microsoft TEALS

Teaching Assistant

July 2022 – Current

Birmingham, Alabama

- Helping primary teacher in teaching high school students about the fundamentals of cybersecurity, using the curriculum from CodeHS.com

Amazon

Software Quality Assurance Engineer Intern

May 2022 – August 2022

Sunnyvale, California

- Software QA engineer working on the consumer robotics team focusing on creating accessories test framework in Python for Amazon Astro, at Amazon Lab126.
- Formulated test plan for intern project, outlining required steps, such as - test strategy, objectives, scheduling, estimation, deliverables, and resources required to perform testing on accessories for Amazon Astro, in order to reduce manual testing and saving several hours of time.
- Developed new test automation for Astro features by writing Python scripts, integrating previous libraries, thus reducing manual testing times.
- Created and improved various libraries in order to reduce the amount of time going into automation for the future

HiveRnD

Software Engineer Intern

May 2021 – July 2021

Birmingham, Alabama

- Built different pages for the site, such as the profile page and registration page, using components made with TypeScript and React and from the ChakraUI library.
- Connected components with Java based backend 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.

PROJECTS

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

ellisalcantara.com

- Utilized JavaScript, React, and HTML/CSS to develop a web-application to display my projects, which includes a description and link to Github for each individual project, along with a bio of myself!
- Learned about the deployment process of a website as well as CI/CD process by using AWS.

sTTats | JavaScript, Python, React, Aphrodite, PyTest, MongoDB

[github/sTTats](https://github.com/sTTats)

- Developed web-application, utilizing JavaScript, React, and Aphrodite, that displays simplified statistics of a user's TikTok account. Done by using a custom built JSON parser, using Python, to scrape necessary data.
- Built and used a custom API to deliver data from the Python backend to the JavaScript frontend.
- Applied equivalence boundary analysis for unit tests using PyTest to ensure code quality.
- Setup a MongoDB server to anonymously store user's calculated data for future reference.

EDUCATION

University of Alabama at Birmingham

Bachelor of Science in Computer Science and Mathematics

August 2019 - May 2024

Birmingham, Alabama

RELEVANT COURSEWORK

- | | | |
|--------------------------------|------------------------|--------------------------------|
| • Algorithms & Data Structures | • Software Engineering | • Probability |
| • Object-Oriented Programming | • Linear Algebra | • Introduction to Optimization |