

AMELIA ALVARADO

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SUMMARY

Entry-level software engineer with hands-on experience in HTML, CSS, TypeScript, JavaScript, React, Node.js, and Express.js, with a solid foundation in PostgreSQL, NoSQL, and RESTful and GraphQL APIs. Passionate about building clean, testable code and contributing to collaborative, high-performing teams. Quick to learn new technologies, with strong attention to detail and adaptability in cross-functional environments.

PROJECTS

Personal Portfolio (amelia-alvarado.netlify.app)

Built a personal website to showcase projects and provide an easy contact point for employers. Designed a responsive frontend using JavaScript, React, and Bootstrap. Integrated a Python backend to support form submissions with data stored in a PostgreSQL database.

The Barkives (<https://the-barkives-2to4.onrender.com/>)

Collaborated on a full stack pet management app using the MERN stack, TypeScript, GraphQL, Apollo Client, and GitHub Actions for CI/CD. Contributed to both frontend and backend logic, including API integration and UI component updates. Emphasized clean Git workflow and team-based feature development.

Google Book Search (<https://github.com/amelia1105/graphql-book-search>)

Converted an existing MERN stack application from a RESTful API to a GraphQL API using Apollo Server and Apollo Client. Improved data querying and client-server communication for a smoother user experience.

EDUCATION

Rutgers University – *Coding Bootcamp*

Online | October 2024 – April 2025

Southern New Hampshire University – *MS in Data Analytics*

Online | August 2022 – August 2024 | GPA: 4.00

- Honors: Honor Roll (22TW2, 23TW3, 23TW5, 23TW1, 23TW2, 24TW3, 2024 D-2)

Appalachian State University – *BS in Environmental Science, Concentration in Environmental Professional, Minor in Biology*

Boone, NC | August 2016 – December 2019 | GPA: 3.83

- Honors: Magna Cum Laude, Roy Sidle Award for Outstanding Research in Environmental Science, Environmental Science Distinguished Senior
- Dean's List (Fall 2019, Fall 2018, Spring 2018, Spring 2017)
- Chancellor's List (Spring 2019, Fall 2017, Fall 2016)

EXPERIENCE

Tyson Foods – *Lab Chemist*

Wilkesboro, NC | December 2024 – present

- Test various samples for pesticide residues using ECD gas chromatography, ensuring high accuracy and attention to detail.
- Conduct daily, monthly, and yearly calibrations and verifications on specialized instruments, including gas chromatographs, balances, and thermometers, ensuring consistent and reliable results.
- Collaborate with cross-functional teams as a member of the Fire Force, First Aid Team (Red Cross certified), and Process Improvement Team, contributing to safety and process optimization.

Tyson Foods – *Associate Lab Chemist*

Wilkesboro, NC | January 2022 – December 2024

- Conducted testing to analyze feed samples for nutritional content.