AMELIA ALVARADO

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SUMMARY

Entry-level software engineer with a passion for continuous learning and building responsive web applications. Hands-on experience with full-stack development, particularly the PERN and MERN stacks, in both independent and team settings. Skilled in JavaScript, TypeScript, and Python, with practical knowledge of PostgreSQL, MongoDB, RESTful APIs, and GraphQL APIs.

PROJECTS

Personal Portfolio (amelia-alvarado.netlify.app)
Developed a personal website to showcase GitHub projects and provide a contact point for potential employers. Front end built using JavaScript, React, and Bootstrap for a responsive and user-friendly interface. Back end built using Python.

Google Books Search (https://graphql-book-search-bucy.onrender.com)
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.

Candidate Search (https://swipe-candidate-search.onrender.com)
Built a candidate search interface using GitHub user profiles, inspired by the Tinder-style experience. Developed with React and TypeScript, incorporating modular components and GitHub Personal Access Tokens for authenticated API access.

EDUCATION

Rutgers University – *Coding Bootcamp*
October 2024 – April 2025

Southern New Hampshire University – *MS in Data Analytics*
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*
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

Lab Chemist
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.

Associate Lab Chemist
January 2022 – December 2024
- Conducted testing to analyze feed samples for nutritional content.