

Amelia Bellanger Alvarado

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GitHub profile: <https://github.com/amelia1105>

Skills

HTML, CSS, JavaScript, TypeScript, React, Express.js, Node.js, object-oriented programming, PostgreSQL, RStudio, R, Java, Microsoft Office, Power BI, Tableau, data analysis, project management

Projects

Weather Dashboard | <https://fun-weather-dashboard.onrender.com>

- Created a weather dashboard that allows the user to input the name of a city and see the current weather and the forecast for that city.
- Methods: APIs, modularization, HTTP requests, Express.js, Vite

Education

Rutgers University | Online

October 2024 – April 2025

- Coding Bootcamp

Southern New Hampshire University | Online

August 2022 – August 2024

- M.S. Data Analytics
- GPA: 4.0

Appalachian State University | Boone, NC

August 2016 – December 2019

- B.S. Environmental Science, concentration in Environmental Professional, minor in Biology
- GPA: 3.83
- Honors: Magna Cum Laude (December 2019), Roy Sidle Award for Outstanding Research in Environmental Science (April 2019), Environmental Science Distinguished Senior (April 2019), Dean's List (Fall 2019, Fall 2018, Spring 2018, Spring 2017), Chancellor's List (Spring 2019, Fall 2017, Fall 2016)

Work Experience

Tyson | Wilkesboro, NC

Lab Chemist, December 2024 – present

- Conduct testing for residues/pesticides in various types of samples using gas chromatography.
- Assess inventory monthly.

Associate Lab Chemist, January 2022 – December 2024

- Conduct tests to analyze samples for nutritional content, including fat analysis by rapid solvent extraction, dry ashing of feed samples, and aflatoxin analysis.
- Weigh samples for protein and fat analyses daily.
- Assist with other tests as needed, including fiber and Burger King meat fat.
- Perform preventative maintenance and instrument calibrations when scheduled.
- Joined the Process Improvement Team (PIT) Crew in 2023 to help optimize lab processes where possible, assist in fundraising, and bring forth any team member concerns from my section.