

Argel Hernandez Amaya

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EDUCATION

Western New England University

Bachelor of Science in Computer Science

Relevant Courses: Software Engineering, Software Design, Software Development, Design and Analysis of Algorithms, Database Management Systems, and Foundations of Web Systems

Aug 2023 – Dec 2025

Cumulative GPA: 3.76

UMass Amherst

Bachelor of Arts in Education

Relevant Courses: Data Structures and Algorithms

Aug 2020 – May 2023

Cumulative GPA: 3.52

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, TypeScript (currently learning), HTML, CSS

Libraries and Frameworks: Spring Boot, JUnit 5, Mockito 5, JavaFX, Apache POI, React, React Router, Next.js (currently learning), Vitest, Jest, Mocha, Tailwind CSS, DaisyUI

Developer Tools & Platforms: Git, VS Code, IntelliJ IDEA, PyCharm, WebStorm, Eclipse, Node.js, Netlify, PostgreSQL, PostGIS, AWS SDK (S3), Docker

PROJECTS

Tailor.AI | *Spring Boot, React, Tailwind CSS, PostgreSQL, Heroku, AWS S3* | [Project Link](#)

- AI-powered web app that customizes resumes based on user-provided career goals and LinkedIn job postings
- Integrates OpenAI's Chat-Completions API via **SpringAI** to enhance resume content and formatting
- Implements JWT authentication and email verification with **JavaMailSender** for secure user authentication
- Utilizes **Amazon S3 via the AWS SDK** to store and retrieve resumes for rendering in chat sessions

Bear Necessities Market | *GitLab, Node.js, VueJS, Vitest, Mocha, Docker* | [Project Link](#)

- Contributing to an **open-source** integrated software solution for campus food pantry at Western New England University
- Established automated testing via containerized Docker environment for the **GitLab CI** pipeline in InventorySystemBackend
- Actively working on fixing broken InventorySystemBackend tests and improving test coverage for InventorySystemFrontend, using **Vitest** and **Mocha** as testing libraries
- Adhering to **Agile/Scrum** methodologies including sprint planning, retrospectives, and issue tracking

INeedHousing | *Spring Boot, Vaadin, Next.js, Tailwind CSS, PostgreSQL, Azure* | [Project Link](#)

- Full-stack web app helping interns find housing by aggregating listings from various sources, featuring a **Vaadin** Admin Dashboard and containerized backend hosted on **Azure App Service**
- Utilizes **PostGIS** for coordinate-based queries
- Frontend MVP under development, utilizing **Next.js** with **TypeScript** and **Tailwind CSS**

SWE-Bot | *HTML, CSS, React* | [Project Link](#)

- Chatbot that helps users with their computer science and software engineering questions
- Utilizes OpenAI's Chat Completions API

EXPERIENCE

Business Intelligence Analyst

Blue Tactical

Hybrid

August 2024 - February 2025

- Leveraged scraping tools such as **Octoparse** and **ParseHub** to expedite the collection of product data, fulfilling client requirements and improving data collection efficiency by over **50%**
- Developed **Customer Order Parser**, a Java desktop app with a **JavaFX** UI, leveraging **Apache POI** to clean and format scraped data, streamlining Excel file preparation and enhancing data workflow efficiency

Cashier

Whole Foods Market

Hadley, MA

April 2022 - July 2024

- Gave excellent and efficient customer service when cashiering
- Was a key contributor to having the **#1 IPM (items per minute)** in the region