Argel Hernandez Amaya

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EDUCATION

Western New England University — Aug 2023 – Dec 2025
Bachelor of Science in Computer Science — *Cumulative GPA: 3.76*
Relevant Courses: Software Engineering, Software Design, Software Development,
Design and Analysis of Algorithms, Database Management Systems,
and Foundations of Web Systems

UMass Amherst — Aug 2020 – May 2023
Bachelor of Arts in Education — *Cumulative GPA: 3.52*
Relevant Courses: Data Structures and Algorithms

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

PROJECTS

Tailor.AI | *Spring Boot, React, Tailwind CSS, PostgreSQL, Heroku*
- Full-stack 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.

INeedHousing | *Spring Boot, Vaadin, Next.js, Tailwind CSS, PostgreSQL, Azure*
- Full-stack web app helping interns find housing by aggregating listings from various sources, featuring a **Vaadin-powered** admin dashboard and containerized backend hosted on **Azure App Service**.
- Implements JWT authentication with email verification using **JavaMailSender** for secure user authentication, and utilizes **PostGIS** for coordinate-based queries.
- Frontend MVP under development, utilizing Next.js with **TypeScript** and **Tailwind CSS**.

PeakPerformance | *Spring Boot, React, PostgreSQL*
- A web app to aid users in tracking their fitness goals.
- Backend MVP is functional and implements secure JWT-based authentication and stateless sessions.
- Frontend MVP under development.

SWE-Bot | *HTML, CSS, React*
- AI-powered chatbot that helps users with their computer science and software engineering questions.
- Powered by OpenAI's Chat Completions API.

EXPERIENCE

Business Intelligence Analyst — Hybrid
Blue Tactical — *August 2024 - Now*
- Leveraged scraping tools such as **Octoparse** and **ParseHub** to expedite the collection of product data, fulfilling client requirements and optimizing billing processes.
- 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
- Currently building **Shopify Order Updater**, a single-page **React** web application utilizing the **Shopify GraphQL API** to streamline tracking and logging of orders, enhancing order management efficiency

Cashier — Hadley, MA
Whole Foods Market — *April 2022 - July 2024*
- Gave excellent and efficient customer service when cashiering
- Was a larger contributor to having the **#1 IPM (items per minute)** in the region.