

# Argel Hernandez Amaya

413-557-0465 | [argel6767@gmail.com](mailto:argel6767@gmail.com) | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

## EDUCATION

### Western New England University

Bachelor of Science in Computer Science

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

Aug 2023 – Dec 2025

Cumulative GPA: 3.66

### University of Massachusetts Amherst

Major: Education

Relevant Courses: Data Structures and Algorithms

Aug 2020 – May 2023

Cumulative GPA: 3.52

## EXPERIENCE

### Software Engineer II

Walmart Global Tech

Internship

Jun 2025 - Aug 2025

- Member of the Sam's Club Technology **Cloud Powered Checkout (CPC) team**
- Conducted comprehensive API linting audits of the Core Member Checkout **microservices**, documenting nearly **500** linting violations and identifying compliance gaps
- Proposed and implemented actionable solutions to standardize **REST API** practices across the platform reducing violations by **75%**

### Business Intelligence Analyst

Blue Tactical

Part-Time

Aug 2024 - Feb 2025

- Leveraged scraping tools such as **Octoparse** and **ParseHub** to expedite the collection of product data, fulfilling employer requirements and improving data collection efficiency by over **50%**
- Independently developed **Customer Order Parser**, a Java desktop app with a **JavaFX UI**, leveraging **Apache POI** and custom designed **data pipelines** to clean and normalize product scraped data from multiple sources with varying formats

## TECHNICAL SKILLS

**Languages:** Java, Python, JavaScript, TypeScript, HTML, CSS

**Frameworks/Libraries:** Spring Boot, Quarkus, JavaFX, React, Next.js, JUnit 5, Mockito, Vitest, Jest, Mocha, Tailwind, Apache POI

**Tools/Platforms:** Git, GitHub Actions, GitLab CI/CD, VS Code, IntelliJ, Node.js, Docker, MySQL, PostgreSQL, PostGIS, Azure, AWS S3, GCP, Vercel, Netlify, REST APIs, Webhooks, Agile, Scrum, Jira

## PROJECTS

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

- Aiding interns and new graduates find housing near their new workplaces by developing a multi-cloud full-stack platform, aggregating **10,000+** listings from Zillow, Airbnb, RentCast, and more
- Built and deployed a containerized, **event-driven microservices** backend (**Spring Boot, Quarkus**) on **Azure** and **GCP**, with a **Next.js** frontend on **Vercel**
- Utilizes automated **ETL pipelines** to extract, standardize, and maintain real estate data from third-party APIs, ensuring data quality and reliability

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

- Contributed to an **open-source** integrated software solution supporting food security for students at Western New England University
- Led comprehensive testing initiative that established automated testing infrastructure for both frontend and backend components of the InventorySystem Service, achieving over **60%** test coverage in two sprint cycles
- Implemented **Vitest** for frontend component testing and **Mocha** for backend API testing, creating a sustainable quality assurance framework for ongoing development

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

- AI-powered solution that customizes resumes based on specific job postings using **Gemini 2.0 Flash** via **Spring AI**
- Implements JWT authentication and email verification with **JavaMailSender** for secure user authentication
- Designed efficient document storage architecture using **Amazon S3** via **AWS SDK**, enabling persistent access to resumes across user sessions