**Scarlett Medina**

Camden, NJ 08105

(609) 686-6229│scarlettmedinacabr@gmail.com **|** [www.linkedin.com/in/scarlett-medina-](http://www.linkedin.com/in/scarlett-medina-) | <https://github.com/Scarlett-Medina>

# EDUCATION

**Rutgers University-Camden,** Camden, NJ May 2025

Bachelor of Science in Computer Science

Minor in Spanish │GPA 3.66│Honors College Scholar

**Camden County College,** Camden, NJ  
Associate of Science in Computer Science May 2023

GPA: 3.76│Phi Theta Kappa Honor Society Member

# COMPUTER SKILLS

Languages: Java, JavaScript, C++, C, C#, Python, HTML, CSS, MySQL, SQL, PHP.

Tools & Technologies: Git, Spring Boot, REST APIs, SHAP, Jupyter Notebook, Visual Studio Code, NetBeans, Postman, Pandas, NumPy, Microsoft Office Suite (Word, Excel, PowerPoint), Adobe Photoshop.

Operating Systems: Windows, macOS, Linux.

**CLASS PROJECT EXPERIENCE**

# ****Movie Finder Java Web Application (OMDb API)**** Spring 2025

Rutgers University – Camden NJ

* Created a full-stack Java application using Spring Boot to retrieve and display movie details via the OMDb API.
* Implemented API request handling, error messages for invalid or missing data, and dynamic frontend rendering.
* Built autocomplete functionality with JavaScript and styled the interface with CSS and a fixed-header layout.

# Water America Service Transfer Web Portal Fall 2024

Rutgers University, Camden NJ

* Served as one of the main developers for a self-service customer portal that enables water service transfer requests.
* Designed and implemented the MySQL database, including proper data types, primary/foreign keys, and relational structure.
* Built the email notification feature that sends customers a confirmation upon submitting a move request.
* Developed front-end components using HTML and CSS; contributed to the login system and request handling logic using PHP.

**Fair & Explainable Loan Approval Model (XAI)** Fall 2024

Rutgers University – Camden, NJ

* Analyzed HMDA 2022 data to uncover bias in loan approvals based on race, gender, and income using machine learning.
* Applied SHAP to interpret model decisions and promote transparency in predictive outcomes.
* Cleaned and processed real-world financial data using Python (pandas, NumPy) and evaluated fairness metrics.
* Applied statistical analysis and fairness metrics, building on foundational knowledge from *Introduction to Statistics* coursework.

# WORK EXPERIENCE

**Acting Manager | Medina Food Market, Philadelphia, PA** Jan 2020 – May 2025

* Took over full managerial responsibilities in the owner’s absence, overseeing daily operations and business continuity.
* Supervised 3–4 employees, coordinated schedules, delegated tasks, and maintained a productive work environment.
* Maintained financial records, managed cash flow, issued checks, and added/updated items in the price book.
* Provided bilingual customer service (English/Spanish) and resolved technical issues, including payment system and internet connectivity problems.

**Website Developer Intern | Bucalia – Odontología Integral, Santiago, Dominican Republic** Aug 2019 – Sept 2019

* Designed and developed a fully functional, responsive website to enhance the clinic’s online presence.
* Collaborated with the clinic’s team to align the site with their needs.

**VOLUNTEER EXPERIENCE**

Volunteer | CAPEX 2019

* Assisted adult learners in acquiring certifications in Microsoft Excel, Word, and PowerPoint.