Anna Aurea Garcia

annaaurea24@gmail.com | Newport News, VA | LinkedIn

EDUCATION

Old Dominion University
Master of Science in Computer Science

Norfolk, VA
Dec 2023

Christopher Newport University
Bachelor of Science in Computer Science

Newport News, VA
May 2021

Thomas Nelson (Virginia Peninsula) Community College
Associate in Social Science

Hampton, VA
May 2016

WORK EXPERIENCE

THE U.S. AIR FORCE (Kessel Run)
Software Engineer - Anti-Corruption API

Hanscom AFB, MA
Apr 2022 - Sep 2025

- Released and deployed a mission-critical enterprise application across multiple environments, ensuring stability, performance, and successful delivery through established release processes.
- Applied Test-Driven Development (TDD) methodologies, achieving over 90% code coverage to ensure software reliability, maintainability, and performance across releases.
- Partnered with cross-functional teams to debug and resolve integration issues, ensuring timely delivery, improved interoperability, and enhanced mission readiness.
- Implemented resilience mode to maintain development productivity during database outages, minimizing downtime and improving operational continuity.

THE U.S. AIR FORCE (Kessel Run)
Data Engineer Intern - Data Team

Hanscom AFB, MA
Sep 2021 – Apr 2022

- Built a web application using React and Spring Framework to manage asynchronous data processing.
- Developed a microservice to connect with application databases, retrieve schemas, and fetch data.
- Contributed to the development and testing of data-driven applications in an agile environment.

NEWPORT NEWS SHIPBUILDING
Software Engineer - Product Lifecycle Management

Newport News, VA
Jan 2021– Aug 2021

- Developed an automated program to analyze log data, generate summary reports, and enable notifications.
- Enhanced data visibility and issue resolution by automating daily reports on data transmissions between NNS and business partners.
- Improved existing software by adding new functionality for batch job monitoring and collaborating with the team to ensure data accuracy.

PROJECTS

DataViz Explorer
- Dataviz Explorer is a search engine for scientific figures. The search engine is capable of text-to-image search and image-to-image search. It is built using Python Flask for the backend and HTML and CSS for the frontend.

Where should you live?
- A graduate classification project where we constructed an interactive geographical table that serves as a recommendation system, suggesting suitable areas to live in based on user preferences. It utilizes natural disaster data from the last century, applying classification techniques to generate personalized recommendations.

Project Portfolio: Anna Garcia Portfolio

TECHNICAL SKILLS

Programming Languages & Tools: Java, Python, SQL, Git, PHP, HTML/CSS, Spring Boot, Flask, Pandas