

Donna Guzman

(385) 233-7393 | donnaguzman02@gmail.com | www.linkedin.com/in/donnaguzman

EDUCATION

Virginia Commonwealth University (VCU), Richmond, VA

Expected Graduation May 2024

Bachelor of Science in Criminal Justice with a concentration in Forensic Crime Scene Investigation

Bachelor of Science in Psychology

Minor in Computer Science

Relevant Courses

Introduction to Programming | Data Structures and Object-Oriented Programming | Introduction to Discrete Structures | Algorithm Analysis with Advanced Data Structures | Database Theory | Application of Statistics | Experimental Methods with Psychology and Statistics | Introduction to Statistical Computing

SKILLS

- **Programming Languages:** Java, Python, HTML, CSS, SQL, R
- **Technologies:** SPSS, SAS, Git, Pytorch, MySQL, Quarto, JSON, Bloomberg, Microsoft Office Suite
- **Certification:** FBI Cybersecurity Regional Collegiate Academy (October 2023)
- **Foreign language:** Spanish

RELEVANT EXPERIENCE

Natural Language Processing Lab

VCU, Richmond, VA

Undergraduate Research Assistant

September 2023 – Present

- Create programs using Python and Machine learning to create a model to extract text, tables, and complex chemical formulas from research papers
- Train models to annotate data from the text extracted from the PDF

Teaching Assistant

VCU, Richmond, VA

Intro to Java Programming

May 2023 - Present

- Provide educational material, including daily lesson plans, weekly homework packets, and weekly laboratory
- Assist 55+ students with online learning using tools including Google Suite, IntelliJ, Sublime, and Command Prompt

Research Fellow, ETFs | Robinhood

VCU, Richmond, VA

Undergraduate Research

September 2023 – Present

- Developing a strategy for a portfolio of ETFs and presenting findings to key members of Robinhood leadership
- Developing algorithms that analyze financial data and building financial models to better aid in research

Residential Assistant

VCU, Richmond, VA

Broad & Belvidere Upperclassmen Dorms

July 2021 - Present

- Facilitate 50+ on-campus with programmatic events and educate residents on topics such as diversity and inclusion
- Collaborate with peers through duty shifts, building-wide programs, and other team initiatives

PROGRAMMING PROJECTS

VA Crime Analysis Database | Python, SQL, HTML, Quarto, GIT

September 2023 - Present

- Creating a database holding all federal crimes found in cities in the state of Virginia by categorizing the levels of crime
- Exploring a comprehensive database system that would facilitate the tracking and management of crime-related data

Personal Portfolio | HTML, CSS, JavaScript, VS Code

October 2023

- Created a responsive and user-friendly design to ensure a seamless browsing experience across various devices
- Utilized CSS to tailor the visual appearance, layout, and typography, reinforcing a strong online presence for potential employers or clients.

Optimal Power Line Location | Java, GIT, IntelliJ

October 2023

- Developed an algorithm to determine the ideal placement of the main power line (y-coordinate) across an area with n houses of varying sizes. Utilized a cost calculation formula based on house size and distance to the main power line

LEADERSHIP EXPERIENCE

President of the National Association of Blacks in Criminal Justice (NABCJ) | VCU

May 2021 - Present

Fundraising Chair of Society of Hispanic Professional Engineers (SHPE) | VCU

March 2023 - Present

Financial Chair & Historian of National Society of Black Engineers (NSBE) | VCU

March 2023 - Present

Mentor for Computer Science Mentorship Program | VCU

August 2023 - Present