Donna Guzman

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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, 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*