

# 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

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 | Design & Implement User Interface | Natural Language Processing

## SKILLS

- **Programming Languages:** Java, Python, HTML, CSS, Javascript, SQL, R
- **Technologies:** Figma, P5js, Expo, SPSS, SAS, Git, PyTorch, MySQL, Quarto, Bloomberg, Microsoft Suite
- **Certification:** FBI Cybersecurity Regional Collegiate Academy (October 2023), Six Sigma Yellow Belt (November 2024), CodePath Web Development (Present)
- **Awards:** Winner of Robinhood Research Fellow Portfolio Competition held by Key Robinhood Executives
- **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 IntelliJ, Command Prompt, Sublime, and Google Suite

**Research Fellow, ETFs | Robinhood**

VCU, Richmond, VA

*Undergraduate Research*

*December 2023*

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

**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

**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, and reinforce a strong online presence for potential employers or clients

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

*December 2023*

- 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

**Eliza | Python, GIT, VS Code**

*January 2024*

- Developed an algorithm to analyze user inputs using regular expressions and word-spotting techniques

## 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*