Daniel Chelala

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EDUCATION

City University of New York, College of Staten Island

Master of Science, *Computer Science: Artificial Intelligence and Data Analytics*	Expected Summer 2027
Bachelor of Science, *Computer Science*	Expected Dec 2025
Bachelor of Science, *Biology: Health Science*	Jan 2022

Relevant Coursework:

Analysis of Algorithms, Data Structures, C++ Programming, Machine Learning & Knowledge Discovery, Artificial Intelligence, Python Programming, Database Systems (SQL), Software Engineering, Web Development, Cybersecurity Fundamentals, Networking and Security, Computer Game Programming

SKILLS

Programming: C++, Java, Python, HTML, CSS, Vue.js, JavaScript, Bash, R, SQL, Kotlin
Methodologies & Technologies: Agile, SDLC, CI/CD, Application Resiliency, Security Principles; Git/GitHub, Linux
Competencies: Data Structures, Natural Language Processing (NLP), Machine Learning, Full-Stack Development
Spoken Languages: French (Intermediate), Spanish (Intermediate), Italian (Fair)

PROJECTS

Language-Learning App   In Progress
- Utilizes ChatGPT API, text-to-speech API, speech-to-text API, SQLite database management, and Kotlin
- Enables user to practice language skills with LLM via adaptive learning to match user's skill level

UVC Scavenger Game   May 2025
- Applied strong problem-solving skills to design and develop a 2D puzzle game in Unity/C# with riddles, sequence challenges, and layered logic
- Focused on user engagement through intuitive UI, thematic storytelling, and layered logic challenges

BERT Hate Speech Detection Model   Jan 2025
- Trained a BERT hate speech detection model on a labeled dataset of internet tweets, focusing on tokenization and context understanding for improved accuracy

Keylogger   May 2024
- Created simple and discreet keylogger as part of Networking and Security class that writes keystrokes to a log file while program remains hidden from the victim

Kitty Galore   Apr 2024
- Developed a solo web application using HTML, CSS, and JavaScript that allows users to generate random cat images by making API requests based on user-specified parameters

VIRTUAL EXPERIENCE

CodePath – Intermediate Technical Interview Prep   June 2025 – Present
- Program focusing on algorithms, data structures, Big O, and interview problem-solving using LeetCode-style questions.

GE Aerospace Explore Digital Technology virtual experience program on Forage   Apr 2025
- Completed a Vue.js UI development simulation for the Frontend Development Team, demonstrating proficiency in Vue SFC Playground by implementing headings, images, buttons, and dynamic variable displays for efficient user interactions
- Drafted technical requirements and explored strategies to align specifications with business needs for effective solutions

CompTIA PenTest+ Cert Guide (PT0-002) on uCertify   Dec 2024

SUPPORTING EXPERIENCE

Receptionist, **Four Fitness Hamilton Park**   Jersey City, NJ | Oct 2023 – Present
- Utilizing effective communication as first point of contact for gym members, managing phone inquiries, and maintaining a welcoming atmosphere
- Monitoring and maintaining proper pool chemical levels to ensure safety and hygiene

Lab Research Student, **College of Staten Island**   Staten Island, NY | Feb 2022 – Apr 2022
- Contributed to research on pathological tau protein related to chronic traumatic encephalopathy (CTE) and Alzheimer's Disease, assisting with data collection, analysis, and interpretation
- Gained experience in research methodology, including literature review, data management, and experimental procedure

ASSOCIATIONS

Clubs: CSI Computer Science Club, CSI Women in Technology Club