Daniel Chelala

(347) 229-1742 | danielchelala2023@gmail.com | Staten Island, NY | [GitHub](#) | [LinkedIn](#)

EDUCATION

City University of New York, College of Staten Island

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

Relevant Coursework:

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

SKILLS

Programming: C++ (Advanced), Python (Advanced), HTML/CSS (Advanced), JavaScript (Intermediate), Java (Intermediate), Kotlin (Intermediate), SQL (Intermediate), Vue.js (Basic), Bash (Basic), R (Basic)
Methodologies & Technologies: Agile, SDLC, CI/CD, Security Principles; Git Version Control, GitHub, APIs, 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
- Building upon AnkiDroid's open-source codebase with Kotlin, SQLite database management, and integration of OpenAI's Realtime API (real-time streaming LLM interactions), speech-to-text, and text-to-speech APIs
- Enabling users to practice language skills with an LLM via adaptive learning that adjusts to their proficiency level

UVC Scavenger Game — May 2025
- Developed a 2D puzzle game in Unity/C#, incorporating riddles, sequence challenges, and layered logic puzzles
- Applied strong problem-solving skills to design progressive difficulty levels that maintain player engagement
- Implemented intuitive UI and thematic storytelling for an immersive gameplay experience

BERT Hate Speech Detection Model — Jan 2025
- Trained a BERT model on a labeled Twitter dataset using tokenization and context-aware embeddings, achieving 82% accuracy and 0.23 cross-entropy loss to improve precision for subtle and context-dependent language patterns

Kitty Galore — Apr 2024
- Developed a solo web application in HTML, CSS, and JavaScript to fetch and display random cat images via REST API, with user-specified tags, text, font styles, and image filters for personalized image generation

VIRTUAL EXPERIENCE

CodePath – Intermediate Technical Interview Prep — June 2025 – Aug 2025
- 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

Pool Deck Attendant, Planned Companies — Jersey City, NJ | May 2025 – Sept 2025
- Oversaw daily operations of a residential pool, ensuring a safe and secure environment through rule enforcement, access control, and routine inspections
- Supervised staff, handled resident communications, and managed close-down procedures

Receptionist, Four Fitness Hamilton Park — Jersey City, NJ | Oct 2023 – July 2025
- Utilized effective communication as first point of contact for gym members, managed phone inquiries, and maintained a welcoming atmosphere; monitored and maintained proper pool chemical levels to ensure safety and hygiene

ASSOCIATIONS

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