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 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++, Python, HTML/CSS, JavaScript, Java, Kotlin, SQL, Vue.js, Bash, R

Methodologies & Technologies: Agile, SDLC, CI/CD, Security Principles; Git Version Control, GitHub, APIs, Linux, Microsoft Office (Word, Excel, PowerPoint)

Competencies: Data Structures, Natural Language Processing (NLP), Machine Learning, Full-Stack Development; excellent communication and interpersonal skills, responsible team-player, detail-oriented, strong problem-solving skills, proactive, self-motivated, quickly adaptable to new technologies and workflows

Virtual Experience: CodePath – Intermediate Technical Interview Prep, CompTIA PenTest+ Cert Guide (PT0-002) on uCertify

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

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

Concierge, Planned Companies — Jersey City, NJ | Nov 2022 – Oct 2023
- Provided front desk support and greeted residents with a high level of professionalism and customer service
- Managed and organized incoming packages and deliveries to ensure accurate and timely distribution
- Acted as a liaison between residents and building management, addressing inquiries and facilitating smooth daily operations

ASSOCIATIONS

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