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 Jan 2026
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, Bash, Vue.js, R

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

Certificates of Completion: CodePath – Intermediate Technical Interview Prep, uCertify – CompTIA PenTest+ Cert Guide (PT0-002)

PROJECTS

Language-Learning App   In Progress
- Full-stack development building on AnkiDroid's open-source codebase, with frontend in Kotlin, backend SQLite database management, and integration of OpenAI's Realtime API (real-time streaming LLM interactions), speech-to-text, and text-to-speech APIs
- A self-initiated project designed to help users practice language skills with an LLM through 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
- Fine-tuned a BERT transformer model using PyTorch and Hugging Face Transformers for hate speech detection, achieving 82% accuracy on test data and 0.23 cross-entropy loss and evaluated performance with scikit-learn
- Implemented natural language processing (NLP) for text preprocessing and tokenization pipelines to prepare large-scale tweet datasets for training

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 pool operations with attention to detail, ensuring a safe and secure environment through rule enforcement, access control, and inspections
- Supervised staff and coordinated tasks as a responsible team player, while handling resident communications with professionalism

Receptionist, **Four Fitness Hamilton Park**   Jersey City, NJ | Oct 2023 – July 2025
- Served as the first point of contact for members, providing excellent communication and interpersonal skills while managing phone and in-person inquiries
- Ensured safety standards by monitoring and balancing pool chemical levels with precision
- Resolved customer concerns with professionalism while proactively promoting and selling memberships to prospective clients
- Maintained smooth facility operations by restocking supplies, performing towel service, and ensuring a clean, organized gym environment

ASSOCIATIONS

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