

# 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*

Bachelor of Science, *Computer Science*

Bachelor of Science, *Biology: Health Science*

Expected May 2027

Expected Dec 2025

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

**Competencies:** Data Structures, Natural Language Processing (NLP), Machine Learning, Full-Stack Development

**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