

# Daniel Chelala

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## EDUCATION

### **City University of New York, College of Staten Island**

Bachelor of Science in Computer Science

Bachelor of Science in Biology Health Science

Expected December 2025

December 2021

### **Relevant Coursework:**

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

## SKILLS

**Programming:** C++, Python, HTML, CSS, Vue.js, JavaScript, Bash, R, SQL, Kotlin, Java

**Technologies:** Git/GitHub, Linux, Windows

**Spoken Languages:** French (Intermediate), Spanish (Intermediate), Italian (Fair)

## PROJECTS

### **Language-Learning App**

In Progress

- Building upon existing open-source Android application
- Utilizing ChatGPT API, text-to-speech API, speech-to-text API, SQLite database management, and Kotlin
- User will be able to practice language skills with LLM via adaptive learning to match user's skill level

### **BERT Hate Speech Detection Model**

Jan 2025

- Trained a BERT hate speech detection model on a labeled dataset of internet tweets
- Included focus on tokenization and context understanding for better and 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 as part of Web Development class that implements the usage of HTML, CSS, JavaScript, Bootstrap, and API GET methods
- Created interface that allows users to generate random images of cats based on input parameters such as tags, text to display, text font, and image filters by making API request to fetch cat image based on desired inputs

## VIRTUAL EXPERIENCE

### **GE Aerospace Explore Digital Technology virtual experience program on Forage**

April 2025

- Completed a Vue.js UI development simulation for the Frontend Development Team, demonstrating proficiency in Vue SFC Playground
- Applied Vue.js skills by adding features like headings, images, and dynamic variable displays. Implemented a compute button for efficient user interactions
- Drafted clear technical requirements for a feature, suggesting optimal order times for plane parts
- Explored strategies to align technical specifications with business requirements, ensuring effective solutions

### **CompTIA PenTest+ Cert Guide (PT0-002) on uCertify**

Dec 2024

## SUPPORTING EXPERIENCE

### **Four Fitness Hamilton Park**

Jersey City, NJ

Receptionist

Oct 2023 – Present

- Serving as the first point of contact for gym members, assisting with inquiries and ensuring a welcoming environment
- Managing phone communications, providing information and addressing client needs
- Monitoring and maintaining optimal pool chemical levels, ensuring a safe and hygienic environment

### **College of Staten Island**

Staten Island, NY

Lab Research Student

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