Daniel Chelala

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EDUCATION

City University of New York, College of Staten Island
Bachelor of Science in Computer Science   Expected May 2026
Bachelor of Science in Biology Health Science   December 2021

Relevant Coursework:

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

SKILLS

Programming: C++, Python, HTML, CSS, Vue.js, JavaScript, Bash, R, SQL, Kotlin, Java
Technologies: Git/GitHub, Linux, Windows
Spoken Languages: French (Intermediate), Italian (Intermediate), Spanish (Intermediate)

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

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
- Assisted in research focused on pathological tau protein, contributing to studies related to chronic traumatic encephalopathy (CTE) and Alzheimer's Disease
- Collaborated with a professor on data collection, analysis, and interpretation to support the ongoing research
- Developed strong research methodology skills, including literature review, data management, and procedure adherence

SKILLS & ASSOCIATIONS

Skills: Computer & technology proficiency, patient, understanding, excellent communicator, works with integrity and respect
Clubs: CSI Computer Science Club, CSI Women in Technology Club