Cristian Xique

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EDUCATION

Colgate University May 2026
Bachelor of Arts in Computer Science *Hamilton, NY*

Relevant Coursework: Intro to Computing I in **Python,** Intro to Computing II in **Java** (OOP & Data Structures), Data Structures and Algorithms in **Java,** Natural Language Processing, Intro to Computer Systems

SKILLS

Languages: Java, JavaScript, Python, SQL, Kotlin, Julia

Technologies and Frameworks: React.JS, Angular.JS, Tailwind CSS, Spring Boot

Developer Tools: Git, AWS, VS Code, Eclipse, Oracle SQL Developer

TECHNICAL PROJECTS

Note-ify | Kotlin, Gemini API April 2024

- Developed 'Note-ify' in Kotlin, a virtual piano app, enabling secure messaging through piano melodies.
- Implemented the Gemini API for decoy conversations, enhancing user privacy and operational security.

Dead Space: A Super Scrolling Game | Java November - December 2023

- Developed a 2D scrolling game utilizing Object Oriented Programming and data structures in Java.
- Designed custom game mechanics and win/lose conditions.

Math Connect Four | Java March 2021

- Developed a version of connect four in Java that integrates grade school mathematics, promoting learning and fun to students.
- Utilized Object Oriented Programming to design various levels of difficulty for players in different grade levels.

EXPERIENCE

Headstarter July 2024 – September 2024
Software Engineer Fellow *Remote*

- Built 5+ AI apps and API's utilizing NextJs, OpenAI, React, StripeAI, with the goal of 1000 registered users.
- Developed projects from design to deployment, leading 3 other engineering fellows.
- Coached by Amazon, Bloomberg, and Capital One Engineers on Agile, CI/CD, Git and microservice patterns.

Colgate University Department of Computer Science January 2024 – Present
Undergraduate Teaching Assistant *Hamilton, NY*

- Mentored over 20 students per week on mastering data structures and object-oriented programming in Java and Python.
- Dedicated 10+ hours per week helping students in course projects and lab assignments; as a result, obtained near full retention in introduction to computing 1 & 2.

Colgate University Department of Mathematics September 2022 – May 2023
Undergraduate Research Assistant *Hamilton, NY*

- Worked on understanding chromatic polynomials and developing a general equation to find the chromatic number of any graph polynomial.
- Developed a program in Julia that finds the chromatic number of a given graph polynomial.

RELEVANT AFFILIATION

Colgate Coders (member) | **Colgate Technic Titans** (member) | **ColorStack** (member) | **CodePath** (student)