

Chase C. Vitale

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Education

New York University

Expected May 2027

Bachelor of Arts: Computer Science and Mathematics | Dean's List (All Academic Years)

GPA: 3.84/4.0

Relevant Coursework: Intro to Cryptography, Operating Systems, Data Structures, Linear Algebra, Basic Algorithms

Experience

NYU High Speed Research Network | New York, NY | Researcher

Jan. 2025 - Present

- Programmed configurable Python benchmarking tools to test UDP, TCP, and WebSocket performance
- Authored two benchmarking reports analyzing data transfer performance, discovering a TCP data transfer limit of 5,000 bytes, leading to a confirmed fix by the team lead, thereby increasing data throughput

USA Mathematical Talent Search | New York, NY | Grader

Oct. 2024 - Feb. 2025

- Graded 1,500 proofs for a mathematics competition for U.S. middle and high school students
- Assisted National Security Agency sponsors by working with 10 student graders to lessen federal workload, completing four rounds of student solutions to determine top scoring U.S. students

NYU Courant Institute | New York, NY | Teacher's Assistant

Sept. 2024 - Dec. 2024

- Assessed 59 Discrete Mathematics assignments weekly, delivering precise feedback and resolving student grade disputes, ensuring final marks accurately reflected student performance
- Coordinated weekly with instructors regarding common issues, guaranteeing lessons reflected student struggles

Lindamood-Bell Learning Processes | Morristown, NJ | Clinician

May 2024 - Aug. 2024

- Provided one-on-one support for up to 8 students per shift, converting student behavior into decodable marks so lesson plans were easily adjusted to match unique learning needs
- Utilized Lindamood-Bell's lessons for reading decoding and comprehension to enhance student reading comprehension and decoding by up to 2 grade levels

Technical Projects

places2be Mobile Application | Group Project

Feb. 2025

- Developed a working demo of a mobile application over four months with 3 other NYU students to share and review local study spots
- Created 8 front-end pages with JavaScript and React Native to match Figma design outlines
- Implemented Google Firebase integration to ensure secure sign-ins and synchronized reviews across accounts

Leadership & Community Engagement

Tech@NYU | New York, NY | Member

Sept. 2024 - Present

- Collaborate with tech-oriented students to gain industry insight and develop comprehensive technical skills
- Met weekly in the Fall 2024 semester as one of only 13 students selected for the Tech Treks program

Greenwich Undergraduate Advisory Council | New York, NY | Director of Comms.

Oct. 2024 - May 2025

- Led publicity efforts for up to 10 hall council events per month, increasing student engagement and attendance
- Worked with members to efficiently manage \$7,000, eliminating waste and investing in building amenities

Technical Skills

Languages: Python, Java, C, JavaScript

Frameworks/Tools: React, React Native, Node.js, Firebase, Git

Other: LaTeX, HTML/CSS