

# Chase C. Vitale

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## EDUCATION

**New York University** - New York, New York

Sept 2023 - May 2027

- B.A., Computer Science and Mathematics; Minor: Economics; GPA: 3.95
- Awards: Dean's List (2023-2024 Academic Year)
- Relevant Coursework: Data Structures, Linear Algebra, Calculus III, Discrete Mathematics, AI and Its Discontents

**Northern Highlands Regional High School** - Allendale, New Jersey

Sept 2019 - June 2023

- Awards: Salutatorian; High Honor Roll (2019-2023); Spanish Award (2023); AP Scholar with Distinction (2023)
- Extracurriculars: Spanish Club (President); Environmental Awareness Club; Boomerang Project; Highlands Heroes

## TECHNICAL SKILLS

**Languages:** Java, Python, JavaScript

**Tools:** CSS, React, React Native, Node.js, Git, Xcode, Expo, Google Firebase, Microsoft Office

## PROJECTS

**Full Stack Developer: Farmers Retreat Website**

Nov 2024 - Present

- Implementing a website to streamline the corporation's communications, document storage, and user engagement
- Building the full front end with JavaScript and React, implementing designs for a cohesive user experience
- Designing a secure backend to support user account management, payment processing, and real-time data updates

**Full Stack Developer: places2be**

Oct 2024 - Present

- Developing an NYU-focused social media application that allows community members to share and review local study spots
- Creating the front end of the application using JavaScript and React Native, building approximately half of the 15 app pages
- Producing the back end using Google Firebase API integration for user management, data storage, and real-time updates

## WORK EXPERIENCE

**Researcher: NYU Holodeck: High-Speed Research Network** - New York, New York

Jan 2025 - Present

- Working in the Spring 2025 semester with a selective research team of six people to develop NYU's Corelink
- Integrating optional server-side data processing through a modular plugin architecture, enhancing flexibility and scalability
- Committing 15 hours per week to project development, including weekly stand-up meetings on project progress and goals

**Grader: USA Mathematical Talent Search** - New York, New York

Oct 2024 - Present

- Grading 50 submissions per session for a mathematics competition for U.S. middle and high school students
- Participating with a team of 10 graders to uphold grading standards, ensuring fairness and accuracy across evaluations
- Contributing to a program sponsored by the National Security Agency to develop childhood mathematical interest

**Grader: NYU Courant Institute of Mathematical Sciences** - New York, New York

Sept 2024 - Dec 2024

- Assessed 59 Discrete Mathematics student assignments weekly, delivering precise, supportive feedback on math concepts
- Resolved student grade disputes in a timely manner, ensuring final marks accurately reflected student performance
- Coordinated weekly with instructors to discuss common challenges, student progress, and academic integrity violations

**Clinician: Lindamood-Bell Learning Processes** - Morristown, New Jersey

May 2024 - Aug 2024

- Provided one-on-one support for up to eight students per shift, adapting lesson plans to meet specific learning needs
- Enhanced students' reading comprehension and decoding skills by multiple grade levels through individualized lessons
- Established a caring environment for neurodivergent students, incentivizing student engagement for ages five through 26

## ACTIVITIES

**Director of Communications: Greenwich Undergraduate Advisory Council** - New York, New York

Sept 2024 - Present

- Leading publicity efforts for up to 10 hall council events per month, increasing student engagement and attendance
- Working with hall council members to reach diverse subgroups within the residence hall, enhancing event participation

**Member: Tech@NYU** - New York, New York

Sept 2024 - Present

- Collaborating with tech-oriented NYU students to gain industry insight and develop more comprehensive technical skills
- Created a tech project during the Fall 2024 semester as one of only 13 students selected for the Tech Treks program

**Scholar: New Jersey Scholars Program** - Lawrenceville, New Jersey

July 2022 - July 2022

- Attended daily seminars with 38 other New Jersey high school students selected for the six-week summer program
- Researched 'leapfrogging' in the Global South, analyzing rapid technological advancements in emerging markets
- Compared the financial and social implications of the Global North's development to that of the Global South