

# CHASE C. VITALE

chasevitale@gmail.com • (551) 500-3933 • [LinkedIn](#) • [Portfolio](#)

## 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: Operating Systems, Computer Systems Organization, Data Structures, Linear Algebra, Abstract Algebra, Real Analysis, Discrete Mathematics, Introduction to Cryptography

## EXPERIENCE

### Eagor Inc. | New York, NY | *Software Engineering Intern*

July 2025 - Oct 2025

- Collaborated with 3 founding team members to deliver 7+ weekly full-stack updates, accelerating the development of a productivity-focused application and demonstrating product viability to early-stage investors
- Managed Firebase backend by implementing automatic calendar event sync with local cache overwrite
- Developed UX and UI elements with Swift, like in-app notifications with undo functionalities, access to task-specific video tutorials, and overall design features to improve experience for 100+ daily users

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

Jan 2025 - May 2025

- Programmed two configurable Python benchmarking tools to measure data transfer performance and ensure a bidirectional communication channel between users
- Analyzed data transmission protocols through benchmarking reports, discovering a TCP data transfer limit of 5,000 bytes, leading to a confirmed fix by the team lead to increase data throughput

### USA Mathematical Talent Search | New York, NY | *Grader*

Oct 2024 - Present

- Grade and provide feedback on 1,500+ proofs per year for a mathematics competition aimed at increasing interest in quantitative fields and developing logic and reasoning skills for U.S. middle and high school students
- Collaborate with a team of 10 graders to improve efficiency and maintain consistent grading practices

## TECHNICAL PROJECTS

### SwipeBeats Python Game | *Independent Project*

July 2025

- Developed a Python application with the Spotify Web API and Pygame to create a swiper-style playlist maker
- Implemented OAuth authentication, real-time audio streaming, and a dynamic UI based on album artwork

### places2be Mobile Application | *Collaborative Project*

Feb. 2025

- Built an NYU focused social discovery mobile application with React Native and Firebase in 4-month timeline
- Created 8 front-end pages with JavaScript and React Native to match Figma design outlines
- Integrated the Google Firebase API to ensure secure sign-ins and synchronized reviews across accounts

## LEADERSHIP & COMMUNITY ENGAGEMENT

### Tech@NYU | New York, NY | *Member*

Sept 2024 - Present

- Actively participate in tech-related networking events and workshops to strengthen technical skills, gain insights on current trends, and build valuable relationships with seasoned industry professionals

### 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, JavaScript, C, C++, Swift, HTML/CSS

**Frameworks/Tools:** React, React Native, Node.js, Clinic.js Doctor, Firebase, Pygame, Git