

CHASE GILLIS

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EDUCATION

New York University

New York, NY

Bachelor of Arts in Computer Science, Minor in Data Science

May 2025

- **Relevant Coursework:** Basic Algorithms; Data Structures; Computer Systems Organization; Computer Security; Data Management and Analysis; Linear Algebra; Calculus II; Statistics; Discrete Math; Economics; Spanish IV
- **Organizations:** Zeta Psi Fraternity (President); Tech@NYU (Project Lead); Google Developer Student Club (Social Media Manager); NYDM (Team Captain); BUGS@NYU; Varsity Wrestling; Stern Rugby
- **Awards:** Deans List (Fall 21, Spring 22, Spring 23); IAAC Scholar-Athlete All-American; Sommers Scholarship Recipient

WORK EXPERIENCE

U.S. CENTURY BANK

Miami, FL

Software Engineering Intern

May 2024 - Present

- Developed Python-based archive system to relocate files older than a specified date, optimizing system performance
- Designed profitability model using SQL and Python to rank accounts and suggest fee adjustments, enhancing bank revenue
- Built a cybersecurity system that periodically verifies file integrity using hash comparisons and sends alerts of tampering

NYU 404 FITNESS

New York, NY

Supervisor and Data Scientist

Sep 2022 - Present

- Optimized gym hours and staffing schedules using Python, Pandas, and Excel, aligning with budget constraints
- Initiated anti-theft campaign, reducing theft by up to 50% through strategic signage and staff rotation
- Selected as the youngest-ever supervisor to coordinate a team of 50+ attendants, handling hiring and scheduling

SCALE AI

Remote

Software Engineer - AI Consultant

Jan 2024 - Apr 2024

- Conducted reviews of AI-generated content and code, ensuring compliance with company standards
- Enhanced AI models by identifying efficient algorithms in AI-generated code, improving content accuracy

PROFESSIONAL DEVELOPMENT

TECH@NYU

New York, NY

Project Lead

Feb 2023 - Mar 2024

- Mentored 12 students (5% acceptance rate) in four software engineering projects, enhancing programming skills
- Initiated development of a website to archive and showcase past projects, fostering community and alumni engagement
- Organized office visits to companies like Epic Games and Netflix for practical learning experiences

PRECEDENT PARSER

New York, NY

Lead Full-Stack Engineer

Oct 2023 - Dec 2023

- Led a team to create a web scraper and website using Python, aiding legal research for precedent cases
- Utilized Open-AI to search scraped data, providing citations, summaries, probabilities, and case strategies
- Developed an interactive prototype with Streamlit to demonstrate this concept for an NYU startup competition

LYFT FORAGE JOB SIMULATION

New York, NY

Back-End Software Engineer

Feb 2023 - Mar 2023

- Refactored a complex codebase, drafting a UML class diagram for system reorganization
- Implemented unit tests and added tire-wear detection for service decisions using test-driven development

ADDITIONAL INFORMATION

- **Languages:** Java; Python; TypeScript; JavaScript; SQL; Shell Scripting (Bash, Linux); HTML/CSS
- **Technologies:** Git; React; Node; MySQL; Adobe Premiere Pro; Adobe After Effects; Excel/Sheets
- **Interests:** Wrestling (3x State Champion/5x All-American); Chess; Fishing; Weight-lifting; Spikeball; Motocross