

# 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 Engineer and Data Scientist Consultant*

*May 2024 - Present*

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

### 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; Power BI (DAX); Adobe Premiere Pro; Adobe After Effects; Excel/Sheets
- **Interests:** Wrestling (State Champion/5x All-American/2 Team State Titles); Chess; Fishing; Spikeball; Motocross