

REESE BURNS

New York, NY | (415) 994-7823 | reeseburnzy@gmail.com | <https://github.com/reeseburns>

EDUCATION

New York University, College of Arts and Sciences | New York, NY May 2025
Bachelor of Arts, Computer Science and Mathematics, GPA: 3.5
Relevant Courses: Data Structures & Algorithms, Operating Systems, Data Management & Analysis,
Artificial Intelligence, Predictive Analytics, Software Engineering
Stern School of Business: Financial Accounting, Decision Models & Analytics

TECHNICAL SKILLS

Data Analysis & Visualization: Python (pandas, NumPy), SQL, MS Excel, Tableau, R, Figma
Programming & Machine Learning: Python (scikit-learn, TensorFlow, matplotlib, seaborn), Java, C, SPSS
Database Management: SQL, SQLite, MongoDB
Development & Design: HTML, CSS, JavaScript, Flask
Certificates: Google Advanced Data Analytics (TBC 2/2025), Microsoft Business Analytics (TBC 2/2025)

PROJECTS

- Job Tracking Web Application** | Python, Flask, MongoDB, HTML, CSS October 2024
- Developed a full-stack website for tracking job applications, utilizing Flask as the back-end framework and MongoDB to store the database documents
 - Implemented user authentication and session management to ensure secure access to user-specific data
 - Designed dynamic templates to display and modify the current user's application collection in the database
- Obesity Rates Analytic Paper** | Python, SQL, R August – Sept 2024
- Performed Exploratory Data Analysis (EDA) on datasets related to fast food restaurant density and obesity rates across the United States
 - Created predictive models and data visualizations to explore a potential correlation between these variables
 - Utilized clustering algorithms, like PCA and K-Means, to identify underlying patterns
- Memory Recall Game** | Java April 2023
- Designed a matching card game that utilizes data handling and manipulation through object-oriented programming
 - Implemented features to display, hide, and check for image matches, analyzing user interactions

EXPERIENCE

- Teaching Assistant** | *New York University*, New York, NY Jan. 2023 – Present
- Assistant for "Introduction to Computer Programming" and "Data Structures" courses at NYU
 - Apply Python and Java to analyze and debug student assignments, improving code accuracy and efficiency
 - Provide detailed data-driven feedback to help students build their programming skills
- Marketing Analytics Intern** | *Saffron Communities*, San Francisco, CA June 2022 – Sept. 2022
- Leveraged Excel for analyzing and organizing company event data
 - Developed and managed social media strategies, enhancing event promotion and engagement
 - Provided data insights to advise clients on optimizing event planning and execution
- NCAA DIII Athlete** | *New York University Swim & Dive*, New York, NY Sept. 2020 – May 2022
- Commit 24+ hours per week to training, travel, and competition while balancing academic responsibilities
 - Developed strong concentration, dedication, work ethic, and time management skills
 - *Intercollegiate Athletics Advisory Committee (2021):* recognized for outstanding academic achievement

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ACTIVITIES

Clubs and Societies: Intercollegiate Athletics Advisory Committee, Girls Who Code, Penn Club

Volunteer | *New York Cares*

July 2023 – Present

- Assisted adults with physical therapy exercises, ensuring effective and engaging sessions
- Provided math tutoring to children in grades 1-5, fostering a supportive educational environment

Head Volunteer | *USA Swimming Foundation: Make a Splash*

- Instructed underprivileged children in swimming, focusing on safety and proper technique
- Coordinated and promoted fundraising events, increasing community engagement and support