

Mark Rose

Georgetown, MA | mrose6@students.stonehill.edu | 978-818-9663

EDUCATION

Stonehill College | Easton, MA

Anticipated Graduation: May 2026

Candidate for Bachelor of Science Degree

Major: Data Science | Minor: Business Administration | GPA: 3.49

RELEVANT COURSEWORK

Data Structures, Database Management Systems, Data Visualization, Probability and Statistics, Artificial Intelligence

WORK EXPERIENCE

enGene | Boston, MA

June 2025-Present

Data Science Intern

- Designed and maintained a relational database in Power BI to manage clinical trial data for 200+ patients
- Developed interactive dashboards to track key clinical trial metrics including Date, Data Validation, and Total Data Trackers
- Built comprehensive patient profiles consolidating all available trial data into clear, user-friendly dashboards

Stonehill College | Easton, MA

August 2024-Present

Resident Assistant

- Facilitate a welcoming and inclusive residential community for 150+ first-year students by organizing monthly events, mediating conflicts, and fostering peer relationships to enhance student engagement and retention
- Ensure the safety and well-being of residents by conducting regular building inspections, enforcing university policies, and providing on-call support for emergencies, contributing to a secure and supportive living environment

Constitution Capital Partners | Andover, MA

May 2024-August 2024

Summer Analyst

- Developed and optimized a financial performance database in Power BI and Excel, consolidating 16+ years of quarterly data (2008–2024) to help ROI analysis and enhance investment forecasting
- Designed and executed financial models to assess investment viability, using sensitivity analysis to guide capital allocation strategy and mitigate risk for high-value investment decisions

RELEVANT PROJECTS

Game Prediction Application | **Statistical Model**

December 2024-Present

- Created a multi-sport game prediction application that uses web scraping and APIs to gather real-time data on teams
- Implemented backend functionality using Python and SQLite databases to analyze data and generate predictions with 85% accuracy
- Plans to integrate optimization algorithms and machine learning models to enhance prediction accuracy and functionality

Web Scraping Application | **Full Stack Website**

October 2024-December 2024

- Developed an AI-powered web scraping tool using Python, automating data extraction with pagination support and saving results in JSON and CSV formats
- Integrated AI APIs for intelligent data extraction, enhancing accuracy and efficiency in parsing website content
- Built a user-friendly interface with Streamlit, enabling seamless interaction and data retrieval without coding knowledge

Spotify Web Application | **Full Stack Website**

February 2024-May 2024

- Developed a Spotify website using the Spotify API SDK for user interaction with music libraries
- Created a database with AWS and Oracle to manage user data and music tracks utilizing Python for backend integration, connecting the database with frontend functionality interactivity using JavaScript, with a design made with HTML and CSS

LEADERSHIP EXPERIENCE

YMCA | Ipswich, MA

May 2023-Present

Leadership Staff

- Mentor a team of staff and volunteers, increasing engagement and development through high-quality programs and activities
- Plan and implement educational activities that teach archery and wilderness survival skills, fostering a deeper connection to nature and outdoor education

SKILLS

Programming Languages: Python, Java, JavaScript, SQL, HTML, CSS, SAS, C++, and R

Computer: Excel, PowerPoint, Word, PowerBI, Tableau and SAS Enterprise Miner

Clubs: Association for Computing Machinery (ACM), Sales Club and Chess Club

Interests: Golf, Basketball, Soccer, Country Music, and Fishing