

Matthew Maslow

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Education

St. Lawrence University, Canton, NY

April 2024

Bachelor of Science, *Data Science*

Cumulative GPA: 3.255 / 4.0

- Sesquicentennial Scholarship: Based upon academic and extracurricular successes.

Related Experience

Light and Sound Technician, *Siagel Productions*, Auburndale, MA

October 2017 - May 2020

- Strategized setup plans and conducted equipment transportations for over 15 events with supervisor to satisfy client requests
- Collaborated with clients to schedule and execute customized sound, lighting effects, and video montages, setup and oversaw equipment during events to ensure production quality.

Foreman and Landscape Worker, *Massourus Landscaping*, Needham, MA

June 2020 - August 2022

- Devised around 2 project budgets per month based on client yard sizes and scope of services to maximize profits and satisfy customer needs
- Managed material procurement and equipment transportation for 3-6 job sites daily, ensuring efficiency and quality.

Student, *Coding Project: Database Systems*, St. Lawrence University

October 2023 - November 2023

- Using Visual Paradigm developed an Entity-Relation Diagram that map a database for IMDB's non-commercial datasets, including information like names of movies, actors/actresses, directors, writers, along with detail-specific attributes
- The goal is to construct an Entity-Relationship (ER) model using Visual Paradigm based on the insights gained from this examination.

Shadow, *Remote: Jason T. Machan, ScM, PhD, BERDI Core at Lifespan*, Rhode Island Hospital

July 2023 - August 2023

- Met on Microsoft Teams for weekly meetings that discussed tasks/projects, as well project meetings with the researchers, and got to overlook whole research process, step by step, which investigated influential factors of post-partum depression of single moms.

Co Author, *Remote: Patricia Apruzzese, Senior Biostatistician, Harvard Clinical Research Institute*

July 2023 - August 2023

- Conducted research and tests using RStudio, including descriptive statistics and hypothesis testing.
- Examined the significance of patient characteristics on systolic pressures between three artery groups: Brachial Long, Radial Short, and Radial Long.
- Findings are used in an article, "Hemodynamic Monitoring in The Cardiac Surgical Patient: Comparison of Three Arterial Catheters," the study aimed to compare the accuracy of three different intra-arterial catheter systems for hemodynamic monitoring in non-emergent adult cardiac surgical patients.

Co-Curricular Experience

Member, *Club Soccer*, St. Lawrence University, NY

August 2020 - Present

- Developed team building skills through weekly practices and competed against other schools

Member, *Q Club*, St. Lawrence University, NY

February 2022 - Present

- Enhanced data science knowledge through weekly peer presentations to discover career opportunities

Technical and Language Skills

- Technical – Microsoft Office Suite (Excel, PowerPoint, Word, OneNote, Outlook)
- Languages – English (Native), Spanish (Intermediate)
- Programming – Python, Java, R/RStudio, Excel, SQL
- Certificates – CITI, HIPPA

Relevant Coursework

- *Data Structures* – Learned methods of organization, repositioning, and classification of data
- *Probability* – Introduced to counting methods, random variables, distribution, expectation, and random variable functions and limit theorems.
- *Mathematical Statistics* – Introduced to theory of parameter estimation, estimators, in depth confidence intervals, and analysis of variance
- *Applied Statistics* – Learned to use R/RStudio, and applied it to all concepts in Introductory Statistics
- *Advanced Statistical Models* – Introduced to advanced techniques like generalized linear models, including Poisson and Logistic regression, and multilevel models, and applied them to diverse real-world scenarios.
- *Database Systems* – Explored data organization, storage, and querying on digital devices, focusing on relational and non-relational databases, structured queries, along with privacy, security, performance, and reliability.
- *Foundations to Data Science* – Introduced to various R-packages such as dplyr, readr, ggplot2, and tidyr