

Matthew Zuk

(802) 598-9115 | mattzuk2@gmail.com

99 Liberty Lane, Colchester VT | LinkedIn: @MatthewZuk

EDUCATION

University of Vermont (UVM), Burlington, VT

2020-2024

Bachelor of Science in Data Science

- **Relative Courses:**

- Stat 201: Statistical Computing and Data Analysis
- Math 121: Calculus 3
- CS 224: Algorithm Design and Analysis
- CS 3540: Machine Learning

TECHNICAL SKILLS

- R Studio
- Python
- Java
- SAS
- C+
- Microsoft Office: Excel, Word

RELEVANT PROJECTS

Foul Ball Projections,

Course Name: Stat 087: Introduction to Data Science

- Using R studio, I created a visual representation of the most likely seats fans should sit in to catch a foul ball. Upon being given a spreadsheet of over 3000 foul ball zones, I generated statistical projections of the likelihood each seat was to catch a ball. I then conducted an in-depth analysis to identify optimal seating zones for catching balls, utilizing historical data and player tendencies to generate a strategic report.

Classifying Animal Images

Course Name: CS 3540: Machine Learning

- Developed a machine learning algorithm using Python and pre-trained natural language processing libraries to analyze thousands of images, accurately identifying animals and generating descriptive sentences for each image.

RELATED EXPERIENCES

UVM Stat and Data Science Club, Burlington, VT

September 2020 – Present

Student Organization Member

- Presented a workshop on coding in Python to an audience of 30 people
- Help younger students learn mathematical techniques to be used for their projects
- Worked with peers on complex projects to present to professors

ADDITIONAL EXPERIENCE

Pi Kappa Alpha Fraternity

Spring 2021 – Present

Vice President

- Oversee over 60 men in their daily lives and organized events, budget, and overall well being, while maintaining in good standing with the university, alumni, and other sororities and fraternities
- Meet with National Advisors and develop plans for a healthier, better-functioning fraternity

Rasputin's Bar, Burlington, VT

April 2022 – Present

Manager

- Effectively manage and schedule a team of 30+ staff members weekly while providing exceptional service and crafting a diverse range of cocktails for hundreds of customers
- Communicated with local groups to collaborate on sponsored formals and events in the bar