Brendan Whitney

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EDUCATION

University of Vermont (UVM), Burlington, VT

Master of Science in Complex Systems and Data Science, 3.76 GPA   December 2018
- Additional Coursework: Deep Machine Learning, Machine Learning, Chaos Theory

Bachelor of Science in Mathematics, 3.86 GPA   December 2017
- Additional Coursework: Survival Analysis, Multivariate Analysis
- Honors College Scholar, Cum Laude

RESEARCH

Using Logistic Regression to Predict Baseball Game Outcomes   September – December 2018
- Merged two disjoint datasets into a single baseball database
- Fitted Recursive Random Forests for feature selection in a highly correlated dataset
- Used Recursive Logistic Regression to predict winners of games from the 2018 season

Exploring San Francisco Bike Share Program   January – May 2018
- Used network science to spatially recreate the Bike Share Program
- Fit spatial models to analyze the regularity of travel in the network
- Used statistical learning methods to predict bike demand based on weather

Undergraduate Thesis on Snow Pack Trends in Vermont   January – December 2017
- Used Singular Value Decomposition (SVD) to extract seasonal modes of snow pack
- Automated analysis run on 11 weather stations in VT

WORK EXPERIENCE

Wilderness Adventures, Jackson Hole, WY   Summer 2017 – Summer 2018
Team Leader/Trip Leader
- Responsible for proper training of all trip leaders
- Mediated and solved disputes between coworkers, sometimes over large distances
- Cared for and supervised of minors for duration of program
- Used critical decision-making skills to adapt successfully to unexpected situations

Hingham Recreation Department, Hingham, MA   Summer 2011 – Summer 2016
Camp Director/Camp Counselor/Customer Service Rep
- Utilized marketing skills to bring in new patrons while retaining long-time patrons
- Programmed daily camp activities
- Supervised 40+ camp counselors

UVM Honors College, Burlington, VT   January 2015 – December 2016
Honors College Peer Mentor
- Provided support for freshmen transitioning to college
- Planned events, by myself and with other mentors, for honors college dormitory residents

ACTIVITIES & INTERESTS

- Computational Story Lab, UVM Complex Systems Center	2016 – 2018
- TREK Leader, UVM Student Life	2015 – 2018
- Avi Kurganoff Spontaneous Leadership Award Winner	2018
- Vice President of Leadership Development, UVM Outing Club	2017 – 2018
- Dale Walker Leadership Development Award Winner	2017
- Eagle Scout	2014