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Education

- M.S. Data Science** **expected Aug. 2023**
Merrimack College, North Andover, MA
- M.S. Mathematics** **2018**
University of Rhode Island, Kingston, RI
Masters Project: "On-line list colourings of graphs" Presentation
- B.S. Mathematics** **2015**
Summa Cum Laude
University of Hartford, Hartford, CT

Experience

- Quinsigamond Community College
Worcester, MA
Assistant Professor **Fall 2021-Present**
- Co-Chair of NECHE Accreditation Committee (Standard 5 - Students)
 - Member of the Student Success Committee. Responsible for processing, analyzing, and visualizing survey data
- International Swimming League **2020**
Mathematics Consultant
- Assisted in development of athlete rating system by building a database, running tests, and providing analysis and recommendations
- Crimson Aquatic Club
Kingston, RI / Wellesley, MA **2016-Present**
Assistant Senior Coach / Age Group Coach
- Coached multiple New England champions, as well as athletes competing at the junior national, sectional, and zone level.
 - Periodically worked with all groups / ages / abilities
 - Assisted with senior group, including writing training workouts, developing season plan
 - Designing season plan for both in water and dryland workouts
- Community College of Rhode Island
Warwick, RI / Newport, RI
Assistant Professor **Fall 2018-Summer 2021**
Visiting Lecturer
- Member of Emporium Committee
 - Member of Data Committee
 - Member of multiple Search Committees
 - Assisted in the development of a mathematics certificate program
 - Member of High School Articulation Committees

University of Rhode Island Kingston, RI Graduate Teaching Assistant / Adjunct Instructor	2016-2018
George Washington University Washington, D.C. Teaching Assistant	Fall 2015
Charter Oak Aquatic Club Assistant Swim Coach	2013-2015
<ul style="list-style-type: none">– Coached numerous CT top 16 swimmers and multiple Eastern Zone and Sectional Qualifiers– Worked with all groups from developmental to senior	

Honors and Awards

Senior Achievement Award in Mathematics University of Hartford College of Arts and Sciences	2015
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Publications

A Quick Look at a Slow Start: Men's NCAA 50 Free Final Swimswam.com	March, 28, 2023
What if Malcolm Gladwell scored the ISL? Swimswam.com	January 6, 2023
Revisiting the ISL Scoring System: An Analysis of the Jackpot System Swimswam.com (published in four parts)	January 10-13, 2022
The New ISL Rating System Swimswam.com	September 23, 2020
Where Swimming and Strategy Meet: An Analysis of the ISL's scoring system Swimswam.com	October 16, 2019
A Rio Retrospective: The Stories Told By Statistics Swimswam.com	2017

Podcast Appearances

ProSwimTalk: Vlad is FAST - Plus an ISL Scoring Deep Dive	October 21, 2019
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Presentations

- "On-line List Colourings of Graphs," University of Rhode Island Graph Theory Seminar, Kingston, RI, December 8, 2017.
- "Overview of Collatz Conjecture," University of Hartford Undergraduate Research Colloquium, Hartford, CT, April 2015.
- "Cardinal Transfinite Numbers," co-presenter University of Hartford Undergraduate Research Colloquium, Hartford, CT, April 2014.

Skills/Software

R

Python

Shiny

Tableau

SQL

LaTeX

References

Available upon request.