

VIKTOR GIORDANO

✉ vikj2002@yahoo.com

☎ 740-833-6287

🌐 <https://www.linkedin.com/in/viktor-giordano-2357881bb/>

🐙 <https://github.com/vikjg>

Statement

Young and driven student who is willing to continue learning and become an asset in the workplace. A mathematics education rooted in theory trained me for critical and concise thinking, while multiple experiences in modeling, data analytics, and artificial intelligence have prepared me for a multitude of technological and industrial challenges.

Technical Skills

Programming: Python, C++, MATLAB, SQL, PyTorch, R

Skills: Data Modeling and Analytics, Mathematical and Statistical Reasoning, Machine Learning, Deep Learning, Report Writing, DevOps tools (Git and Docker)

Education

University of Tennessee

Knoxville, TN

Masters of Science in Mathematics

Aug 2022 - May 2024

- **Coursework:** Numerical Analysis, Partial Differential Equations, Mathematical Biology, Complex and Real Analysis
- **Activities:** Treasurer of the Association for Women in Mathematics chapter, member of American Mathematical Society, member of UT Cycling Team.

The Ohio State University

Columbus, OH

Bachelors of Science in Applied Mathematics, Physics with 3.82 GPA

Aug 2020 - May 2022

- **Specializations:** Topological Data Analysis, Finite Element Method, Optimization and Calculus of Variations
- **Activities:** Member of Association for Women in Mathematics, Society of Industrial and Applied Mathematics (SIAM), OSU Cycling Club
- **Awards:** First place award in Ohio State's SIAM contest for a data driven model to determine federal court justice prejudice.

Ohio State Academy Program

Columbus, OH

Aug 2018 - May 2020

- Program in which high school students attend Ohio State courses as dual-enrollment students.
- Attended Ohio State's main campus full-time in place of my last two years of high school.

Experience

University of Tennessee

Knoxville, TN

Graduate Teaching Assistant

Aug 2022 - present

- Supported basic mathematics classes with well-prepared course materials and timely distributions.
- Independently taught multiple sections of Basic Calculus and College Algebra.
- Designed, administered, and graded original lectures, exams, and assignments.

Bo Jackson Elite Sports

Hilliard, OH

Maintenance Technician

Feb 2019 - Jul 2022

- Diagnosed and independently solved different types of mechanical and electrical system problems in an advanced air-supported structure.
- Repaired sports equipment such as pitching machines, safety netting, and turf fields.
- Operated machinery such as boom lifts and skid-loaders.

Pertinent Projects

- Extreme learning machines that utilize iterative techniques to approximate least squares solution rather than by computing pseudo-inverses, allowing for incredibly fast training times and low computational costs.
- Analyzing pitch-level Statcast data from different baseball games to generate pitching-related visuals and deriving relevant statistics.
- In the works... master's thesis is focused on creating neural network algorithms for imperfect-information zero-sum games such as variations of Hold'em poker. Ideally, these trained networks will be able to approximate known optimal strategies (Nash equilibria).