

LUKE SULLIVAN

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EDUCATION

University of Maryland, College Park

College of Computer, Mathematical, and Natural Sciences
Major: Mathematics (Focus in Statistics)

Gpa: 3.3
Expected Graduation: May 2023

RELEVANT COURSEWORK

Computational Methods

- Computational methods for interpolation, least squares, approximation, numerical quadrature, numerical solutions of polynomial and transcendental equations

Applied Probability and Statistics

- Random variables, standard distributions, moments, law of large numbers, and central limit theorem

Advanced Calculus

- Proving various Calculus ideologies such as sequences and series of numbers, continuity and differentiability, the Reimann integral, sequences of functions, and power series.

Applications of Linear Algebra

- Various applications of linear algebra such as the theory of finite games, linear programming, and Markov chains

Differential Equations for Scientists and Engineers

- Solving equations of first order and second order, linear differential equations, and the qualitative theory of differential equations

COMPUTER SKILLS

Matlab

- 3+ years of experience using Matlab to complete dozens of course assignments across 5 different courses
- Proficient in using Matlab to aid in problems using statistics, calculus, linear algebra
- Sample Course assignments available upon request.

C/C++

- 3+ years of experience programing in C/C++
- Completed course specifically teaching the C programing language

WORK EXPERIENCE

Department of Intramural Athletics – University of Maryland

College Park, Maryland

Recreation Assistant

Spring 2020, 2022

- Assisted in supervising 50+ participants in intramural games
- Kept records and statistics across several different sports involving hundreds of athletes
- Resolved disputes and maintained order throughout the gym

Lowe's Home Improvement

Orangeburg, NY

Internet Sales Associate

Summers 2019-2021

- Frequent supervisor in charge of fulfilling 100+ internet orders per day and facilitating curbside pickup
- Handled dozens of phone inquiries per day and updated store inventory
- Recommended, located, and helped customers select merchandise from more than 10 departments throughout the store
- Contacted several customers per day regarding pending orders

Orangetown Recreation Department

Orangetown, NY

Camp Counselor

Summers 2018, 2019, 2020

- Coordinated activities and supervised ten 8 to 12-year-old campers per session
- Voluntarily accepted the additional responsibility of supervising campers on various day trips and on the busses which transported them to and from camp
- Collaborated with up to 25 other counselors and camp directors to plan games and events
- Mediated disputes and fostered positive social interactions by creating a safe, and nurturing environment