Brian Phakdey Lorn

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OBJECTIVE

Employment as a data scientist or similar position that promotes discovery and problem solving through the application of mathematics, operations research, and computer programming.

SKILLS

An experienced graduate student with a proclivity for problem solving through advanced modeling techniques and operations research. Possesses the unique insight to apply mathematics and computer science to real world issues. A knolwedgable, confident, and articulate verbal and written communicator that has presented to a myriad of audiences.

EDUCATION

M.S. Computer Science – Specialization in Operations Research — Expected Graduation: May 2024
The College of William & Mary, Williamsburg, VA
GPA: N/A

B.S. Mathematics and Business Analytics – Applied Mathematics and Data Science Emphasis — May 2022
The College of WIlliam & Mary, Williamsburg, VA
GPA: 3.92 Honors & Awards: *summa cum laude*, Dean's list all semesters

PROFESSIONAL EXPERIENCE

Graduate Assistant — August 2022 – Current
The College of William & Mary, Williamsburg, VA
- Lectured for an 80 person Calculus I lab
- Tutored undergraduate students in Calculus I and II
- Graded hundreds of math assignments for Calculus I

Data Analyst — January 2022 – May 2022
Affordable Care Organization Analysis Project, Williamsburg, VA
- Filled in missing data on ACO dataset by using multiple imputations
- Created a linear model of savings rate using backwards elimination
- Made data visualizations of several linear regressions and correlations

Undergraduate Grader — January 2021 – May 2022
William & Mary Mathematics Department, Williamsburg, VA
- Graded hundreds of math assignments for Ordinary Differential Equations
- Communicated specific feedback to students based on their performance

Undergraduate Researcher — June – July 2021
William & Mary Mathematics Department, Williamsburg, VA
- Researched uncertainty quantification on a COVID-19 model based on CFDs
- Utilized FUN3D to simulate airflow as a 3D vector field
- Created surrogate models using Gaussian Process Regression in R

TECHNICAL SKILLS

Proficient Skills
- Operating Systems: MS Windows, Unix/Linux
- Languages: Python, R, SQL, AMPL, VBA
- Applications: MS Office, Docker, MySQL, RStudio, Jupyter Notebook, Tableau
- Others: Problem Solving, Communication, Perseverance

EXTRACURRICULRS

Art Club – *Williamsburg, VA* — August – December 2019
- Created digital art for club discussion and critique