

Kristen M. Savary

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OBJECTIVE

Hardworking, dedicated, and analytical graduate student researching online multiobjective optimization seeking a remote summer internship or part/full-time position while finishing her Ph.D. at Clemson University.

EDUCATION

Clemson University - Clemson, SC

Doctor of Philosophy Candidacy

Anticipated December 2022

Master of Science in Mathematical Sciences

May 2019

Bachelor of Science in Mathematical Sciences, Minor in Computer Science

May 2017

EXPERIENCE

Clemson University – Clemson, SC

School of Mathematical and Statistical Sciences Graduate Teacher of Record

August 2020-Present

- Communicate difficult mathematical concepts of business calculus to non-technical audiences of 40+ students
- Craft detailed, semester-long lesson plans and assignment calendars
- Facilitated a virtual classroom for 2 semesters, improving my use of technological resources like Zoom, Canvas, and video recording software

Clemson Research Training Group Research Fellowship

August 2018-July 2020

- Supported by an NSF Grant to pursue research in network coding
- Collaborated with other research fellows on complex problems in post-quantum cryptography, coding theory, and number theory

School of Mathematical and Statistical Sciences Graduate Teaching Assistant

June 2017-August 2018

- Provided assignment feedback and assisted in educating over 100 undergraduate students in multivariable calculus and business calculus

Cartegraph – Dubuque, IA

May 2016-August 2016

Software Engineering Intern

- Contributed C# code to their Operations Management System Software
- Retrieved data from client databases using SQL to identify product weaknesses

Hawkes Learning – Mount Pleasant, SC

May 2015-August 2015

Software Content Intern

- Ensured accurate student web software by analyzing Visual Basic code and running test cases on student lessons and assignments to find errors

SKILLS

Research Emphasis

My research analyzes methods of solving multiobjective optimization problems in an online learning setting where objective functions conflict with each other and are not known at the time of optimization.

Relevant Coursework:

- Nonlinear Programming
- Discrete Optimization
- Analysis of Algorithms
- Numerical Linear Algebra
- Machine Learning
- Data Analysis

Computer Languages:

- Proficient - MATLAB, LaTeX, C++
- Basic - Python, C, C#, HTML, SQL, Java, Linux

LEADERSHIP

- Institute for Advance Study Women and Mathematics Ambassador 2018-2022
- Math for All Clemson Satellite Conference Co-Organizer 2021-Present
- Graduate Student Advisory Council Co-Founder and Co-Chair 2020-Present
- Clemson Association for Women in Mathematics Chapter President 2018-Present
- DINAMICS: Diversity, Inclusivity, and MathematICAL Sciences Co-Founder 2018-2021