

# Kristen M. Savary

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(563) 581-6190

## OBJECTIVE

Hardworking and dedicated graduate student researching online multiobjective optimization seeking a remote part-time job 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

- Taught Math 1010: Essential Mathematics for the Informed Society and Math 1020/2070 Business Calculus Sequence
- Communicated complex mathematical concepts to non-math audiences

*Clemson Research Training Group Research Fellowship*

August 2018-July 2020

- Supported by an NSF Grant to pursue research in network coding

*School of Mathematical and Statistical Sciences Graduate Teaching Assistant*

June 2017-August 2018

- Assisted with Calculus of Several Variables and Business Calculus II

### Cartegraph – Dubuque, IA

May 2016-August 2016

*Software Engineering Intern*

- Contributed code to their Operations Management System Software
- Retrieved data from clients to determine product weaknesses

### Hawkes Learning – Mount Pleasant, SC

May 2015-August 2015

*Software Content Intern*

- Ensured accurate student web software

## SKILLS

### *Research Emphasis*

My research combines online optimization with multiobjective optimization. I study online optimization algorithms and apply them to scalarized multiobjective problems, as well as transforming multiobjective steepest descent algorithms into online algorithms.

### *Relevant Coursework:*

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

### *Computer Languages:*

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

### *Additional Skills:*

- Detail-Oriented
- Strong Collaborator
- Effective Communicator
- Analytical Mindset
- Complex Problem Solver
- Solution-Driven

## 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