

# KYLE MONETTE

**Email:** [kylemonette309@gmail.com](mailto:kylemonette309@gmail.com)

**Web Site:** [kylemonette.github.io](https://kylemonette.github.io)

## EDUCATION

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**M.S. Mathematics**, 2024, University of Rhode Island, Kingston, RI

**B.S. Mathematics**, 2022, Clarkson University, Potsdam, NY

With distinction

## EXPERIENCE

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**Graduate Teaching Assistant**

**August 2022 - present**

University of Rhode Island, Department of Mathematics

**Teaching Assistant**

**February 2022 - May 2022**

Williams College, Department of Mathematics

**Undergraduate Teaching Assistant**

**August 2020 - December 2021**

Clarkson University, Department of Mathematics

## COURSES TAUGHT

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### **University of Rhode Island:**

Served as instructor for the following courses. Responsibilities included lecturing, grading, and assessment design.

- MTH103 Applied Precalculus
  - Fall 2022 (45 students)
  - Spring 2023 (42 students)
  - Fall 2023 (45 students)
  - Spring 2024 (40 students)

Additional Course Involvement:

- MTH101 Intermediate Algebra recitations
  - Fall 2022 (15 students)
  - Spring 2023 (15 students)

### **Williams College:**

Hosted office hours and graded assignments during the Spring 2022 semester for MATH307 Computational Linear Algebra.

### **Clarkson University:**

Lead recitations and graded homework for the following courses.

- MA231 Calculus III
  - Fall 2020 (59 students)
  - Fall 2021 (37 students)
- MA232 Ordinary Differential Equations
  - Spring 2021 (23 students)
  - Fall 2021 (24 students)

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## SERVICE AND ACTIVITIES

### Supplemental Video Channel for MTH 103

**Summer 2023 - ongoing**

Created a YouTube channel (@mth103uri) containing worksheet videos and walkthroughs to practice exams. Currently the channel hosts 51 videos with a combined 8,200 views.

### Transitioning Homework Software

**Summer 2023**

Migrated homework assignments for two undergraduate courses from WebWork to Edfinity, and assisted faculty in creating supplementary assignments, videos, and software instructions.

### Helpdesk Assistance

**Spring 2023**

Served as administrator on WebWork courses to assist students and faculty with tasks such as changing assignment data, resetting passwords, and general site maintenance.

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## PRESENTATIONS

*Concatenation of Matrix Products* (slides)

Mathematics Conference and Competition of Northern New York (MCCNNY)      March 2024

*Gaussian Quadrature and Tridiagonal Matrices* (slides)

University of Rhode Island, MTH472 Numerical Linear Algebra      December 2023

*Secret Sharing Schemes* (slides)

Clarkson University, CS556 Cryptography      May 2022

*The Double Pendulum: Lagrangian Mechanics and Chaos* (slides)

Mathematics Conference and Competition of Northern New York (MCCNNY)      March 2022

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## AWARDS AND HONORS

R. Gerald Bradshaw Award for Mathematics

2021

President's List, Clarkson University

2021, 2020, 2018

Dean's List, Clarkson University

2020, 2019

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## TECHNICAL SKILLS

Maple, MATLAB, WeBWorK, Edfinity, Moodle, Canvas, Brightspace, WordPress, L<sup>A</sup>T<sub>E</sub>X,  
Microsoft Office, Mac-OS

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## PROFESSIONAL AFFILIATIONS

American Mathematical Society (AMS)

Mathematical Association of America (MAA)