

Kimberly Savinon

341 Mansfield Road Storrs, CT 06269 | (401)-489-9556 | kimberly.savinon@uconn.edu

EDUCATION

University of Connecticut

Ph.D. in Applied Mathematics
Advisor: Jeffrey Connors

Aug. 2019-Present
Storrs, CT

Rhode Island College

B.A. in Mathematics
M.A. in Mathematics
Advisor: Lisa D. Humphreys

Aug. 2014-Aug. 2019
Providence, RI

TEACHING EXPERIENCE

University of Connecticut, Student Support Services (SSS)

Math Coordinator

Summer 2020-2022

The SSS program offers a jump-start to university life for first-generation and low-income students, as well as students from otherwise underrepresented populations. As coordinator, I

- Provided guidance and leadership to math instructors and tutors as needed
- Held weekly faculty meetings with math instructors/tutors and attended weekly SSS staff meetings to discuss students of concern
- Served as a liaison between the math faculty and SSS staff
- Coordinated up to five sections of Discrete Math and Math for Business and Economics each summer
- Monitored the nightly breakout sessions and drop-in tutoring the course tutors held
- Held a yearly math competition with problem solving questions and up to 50 participants

University of Connecticut, Department of Mathematics

Instructor of Record

- Elementary Differential Equations Spring 2023, 2024
- Applied Linear Algebra Fall 2023
- Calculus for Business and Economics Fall 2019-2022 & Spring 2021, 2022
- Mathematics for Business and Economics Summer 2020-2022
- Problem Solving Spring 2020

Preliminary Exam Tutor

- Applied Mathematics Summer 2022

Teaching Assistant

- Calculus I Fall 2023 & Summer 2023
- Calculus II Summer 2023

Rhode Island College, Department of Mathematics and Computer Science

Instructor of Record

- Basic Mathematics Competency

Fall 2017, 2018 &
Spring 2018, 2019 &
Summer '19

COMMUNITY

University of Connecticut

- **MATHCOUNTS Eastern Competition – Volunteer** Feb. 2023 & Feb. 2024
Provided technical support and was the photographer for the competition.
Competition website: [MATHCOUNTS](#)
- **Mathematics Continued Conference (MCC) – Organizer** Oct. 2021-Present
MCC is a one-day hybrid conference for undergraduate students in mathematics which promotes the advancement of women in the field. The main goal of the conference is to give undergraduate students an idea of what graduate school may be like and to showcase some current research done by graduate students and faculty. The event includes a poster session for undergraduate students to present their research and a graduate school panel. Conference website: [Mathematics Continued Conference](#)
- **UConn SIAM Quantum Computing Workshop – Organizer** Mar. 2022
Arranged talks, registration, and catering for the event.
- **SIGMA Seminar: Applying for Academic and Industry Jobs Discussion Panel - Organizer** Nov. 2021
Invited panelists and hosted a discussion on applying for jobs after graduate school.
- **UConn AMS Integration Bee – Organizer & Judge** Oct. 2019 & Mar. 2020
Organized prizes for our winners and judged the competition both in person and online.
- **Northeast Workshop in Geometric Analysis (NEWGA) – Helper** Nov. 2022
Helped at the conference registration area and set up catering.
- **TA Mentor Network – Co-Coordinator** Fall 2022-Present
Organized social events and assigned mentors to incoming graduate students.
- **Graduate Student Mentor** Fall 2020-Present
Mentored first year Ph.D. students on navigating graduate school, taking preliminary exams, and teaching mathematics courses.

AWARDS & GRANTS

- **Edward Victor Gant Graduate Award – UConn Student Life Awards** Apr. 2023
The scholarship is granted on the basis of academic excellence, professional potential, dedicated service, and exemplary integrity.
- **Connecticut Open Education Research Grant Program (\$1,500)** Summer 2021 & 2022
Under the supervision of Katie Hall, we effectively adopted and edited an open educational resource textbook for UConn's Business Calculus course. We used markdown files and edited them in PreTeXt. The edited open resource textbook can be found here: [OpenStax Calculus \(uconn.edu\)](#)
- **Louis J. DeLuca Teaching Award – UConn Math Department** Apr. 2022
In recognition for exceptional efforts and excellence in teaching.
- **SIAM Student Chapter Certificate of Recognition – Bin Zou** Apr. 2022
In recognition of outstanding efforts and accomplishments on behalf of the SIAM Chapter.

- **Connie Strange Community Award** – *UConn Math Department* Apr. 2022
In recognition for my service to grad students, including organizing social events, and fostering a welcoming environment for all our grad students.

LEADERSHIP/PROFESSIONAL MEMBERSHIPS

- **Society for Industrial and Applied Mathematicians (SIAM)** – *Member* Spring 2022-Present
UConn SIAM Student Chapter – *Secretary* Fall 2021-Present
SIAM Ordinary Differential Equations Reading Group – *Member & Organizer* Spring 2022
SIAM Approximation Theory Reading Group – *Member & Organizer* Fall 2022
- **American Mathematical Society (AMS)** – *Member* Fall 2019-Present
UConn AMS Graduate Student Chapter – *Secretary* Fall 2019-Spring 2021
- **Association for Women in Mathematics (AWM)** – *Member* Fall 2022-Present

RESEARCH INTERESTS

Numerical Analysis, The Finite Element Method, and Partial Differential Equations.

SEMINAR/INVITED TALKS

- **Bridgewater University Seminar** Feb. 2024
TBD
- **University of Connecticut: SIAM Finite Element Method Workshop** Mar. 2024
TBD
- **University of Connecticut: Mathematics Continued Conference** Mar. 2024
TBD
- **University of Connecticut: SIGMA Seminar** Oct. 2023
A posteriori error field calculation for elliptic problems using a Continuous Galerkin Finite Element Method
- **University of Connecticut: SIAM Quantum Walks on Graphs Workshop** Apr. 2023
Spectral Theory in Graphs
- **University of Hartford: Undergraduate Mathematics Colloquium** Oct. 2022
What is the Finite Element Method?
- **University of Connecticut: SIGMA Seminar** Nov. 2022
An Introduction to the Finite Element Method
- **University of Connecticut: Math Club** Feb. 2023
The Finite Element Method in 1D

ATTENDED CONFERENCES & WORKSHOPS

- **The Finite Element Circus 2024** – *Brown University* Apr. 2024
- **Joint Mathematics Meetings (JMM) 2024** – *San Francisco, CA* Jan. 2024
- **SIAM Quantum Walks on Graphs Workshop** – *University of Connecticut* Apr. 2023
- **The Finite Element Circus 2023** – *Bridgewater State University* Mar. 2023
- **Joint Mathematics Meetings (JMM) 2023** – *Boston, MA* Jan. 2023
- **LatinX in the Mathematical Sciences Conference 2022** – *UCLA* Jul. 2022
- **New York State Regional Graduate Mathematics Conference** – *Syracuse University* Apr. 2021
- **Workshop for Northeast Women in PDE and Applied Math** – *University of Connecticut* Oct. 2019

REFERENCES

Katie Hall (teaching)

katie.hall@uconn.edu

Kim Gorman (teaching)

kimberly.gorman@uconn.edu

Dave McArdle (teaching)

dmcardle@uconn.edu

Lisa D. Humphreys (teaching)

lhumphreys@ric.edu

Jeffrey Connors

jeffrey.connors@uconn.edu

LANGUAGES

Spanish – native language

English – fluent

TECHNICAL SKILLS

MATLAB

Desmos

Zoom

PreTeXt

Python

Piazza

Kahoot

LaTeX

Java

Blackboard

Webex

Poll Everywhere

Maple

WebAssign

WeBWorK

Campuswire