Kimberly Savinon

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EDUCATION

University of Connecticut	Aug. 2019-Present
Ph.D. in Applied Mathematics	Storrs, CT
Advisor: Jeffrey Connors	

Rhode Island College	Aug. 2014-Aug. 2019
B.A. in Mathematics	Providence, RI
M.A. in Mathematics	
Advisor: Lisa D. Humphreys	

TEACHING EXPERIENCE

University of Connecticut, Student Support Services (SSS)

Math Coordinator   Summer '20, '21, '22

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 '23
- Calculus for Business and Economics	Fall '19, '20, '21, '22
	Spring '21, '22
- Mathematics for Business and Economics	Summer '20, '21, '22
- Problem Solving	Spring '20

Preliminary Exam Tutor

- Applied Mathematics	Summer '22

Rhode Island College, Department of Mathematics and Computer Science

Instructor of Record

- Basic Mathematics Competency	Fall '17, '18
	Spring '18, '19
	Summer '19

COMMUNITY

University of Connecticut

- **2023 MATHCOUNTS Eastern Competition** – *Volunteer*   Feb. 2023
  Provided technical support and was the photographer for the competition.
  Competition website: MATHCOUNTS

- **Mathematics Continued Conference (MCC)** – *Organizer*   Oct. 2021 & Oct. 2022
  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**   Nov. 2021
  Panel - *Organizer*
  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

- **Connecticut Open Education Research Grant Program ($1,500)**   Summer 2021 & 2022
  Under the supervision of Katie Hall, we effectively adopted and edited an   Dec. 2022-Jan. 2023
  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)

- **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.

- **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.

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 &*   Spring 2022
  Organizer
  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.

INVITED TALKS

- **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

SEMINAR TALKS

- **University of Connecticut: Math Club**   Feb. 2023
  The Finite Element Method in 1D

ATTENDED CONFERENCES & WORKSHOPS

- **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 (LatMath) 2022** –   Jul. 2022
  UCLA

- **46th Annual New York State Regional Graduate Mathematics**   Apr. 2021
  Conference (online) – *Syracuse University*

- **Workshop for Northeast Women in PDE and Applied Math** – *University*   Oct. 2019
  of Connecticut

REFERENCES

Katie Hall (teaching)	Lisa D. Humphreys (teaching)
katie.hall@uconn.edu	lhumphreys@ric.edu
Kim Gorman (teaching)	Jeffrey Connors
kimberly.gorman@uconn.edu	jeffrey.connors@uconn.edu
Dave McArdle (teaching)	
dmcardle@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