Alec D. Wendland
Curriculum Vitae

The University of Connecticut   Department of Mathematics
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Education

PhD (student)	The University of Connecticut, Storrs, Connecticut	(August 2021 – Present)
	Preliminary Examinations: Numerical Analysis, Applied Mathematics, Real Analysis	
B.S.	Carroll University, Waukesha, Wisconsin	(September 2017 – May 2021)
	Major: Mathematics, Minor: Computer Science	
	Honors Program	
	Summa Cum Laude	

Teaching Experience

The University of Connecticut
Teaching Assistant
MATH 2110Q, Multivariable Calculus (Fall 2022, Spring 2023)
MATH 1132Q, Calculus 2 (Spring 2022)
MATH 1131Q, Calculus 1 (Fall 2021)

Carroll University
Peer Educator
CMP112, Computational Thinking 1 (Spring 2021)
CMP114, Computational Thinking 2 (Spring 2021)
MAT207, Calculus 3 (Fall 2020)
MAT309, Ordinary Differential Equations (Fall 2020)

Conference Presentations

[1] A. D. Wendland, "A combinatorial proof of the explicit representation of orthonormal
Bernstein polynomials." Presented at Carroll University's Celebrate Carroll Academic Research
Conference, Waukesha, WI (April 2020).

[2] A. D. Wendland, "Numerical solutions to nonlinear boundary value problems using Bernstein polynomial reproducing kernel method." Presented at Carroll University's Celebrate Carroll Academic Research Conference, Waukesha, WI (April 2019).

[3] A. D. Wendland, "Numerical solutions to nonlinear boundary value problems using Bernstein polynomial reproducing kernel method." Poster session presented at the Joint Mathematics Meetings, Baltimore, MD (January 2019).

Works in Preparation

[1] T. E. St. George and A. D. Wendland, *Bernstein reproducing kernel method for systems of nonlinear boundary value problems*. In preparation.

[2] T. E. St. George and A. D. Wendland, *Two proofs of the explicit representation of orthonormal Bernstein polynomials*. In preparation.

Fellowships, Grants, and Awards

Summer Fellowship, The University of Connecticut, Summer 2022, $5,000
Alan and Linda Thompson Scholarship, Carroll University, presented to an undergraduate
   mathematics student recognizing hard work and achievement in the field, August 2020, $2,500
Mathematics Major of the Year, Carroll University, March 2019, May 2021
Student Scholarly Travel Grant, Carroll University, December 2018, $700
Pioneer Scholar Grant, Carroll University, stipend provided to undergraduate students to engage in
   an intensive scholarly research project, March 2018, $3,000
Dean's List, Carroll University, 2017, 2018, 2019, 2020, 2021
National Merit Scholarship, Mead Witter Foundation, 2017, 2018, 2019, 2020, $5,000
Wisconsin Academic Excellence Scholarship, State of Wisconsin Higher Educational Aids Board,
   2017, 2018, 2019, 2020, $2,250.

Service

The University of Connecticut:
- Treasurer, Society for Industrial and Applied Mathematics Student Chapter (2021 – present)
- Participant, Speaker, and Co-oganizer, UConn SIAM Student Chapter Reading Group in Calculus of Variations (Spring 2023)
- Participant, Speaker, and Co-organizer, UConn SIAM Student Chapter Reading Group in Numerical Analysis (Fall 2022)
- Participant, Speaker, and Co-organizer, UConn SIAM Student Chapter Reading Group in Ordinary Differential Equations (Spring 2022)

- Participant, Mathematics Continued Conference (October 23, 2021)

Carroll University:
- Vice President, Carroll University Mathematics Club (2020 – 2021)

Professional Organizations

American Mathematical Society
Society for Industrial and Applied Mathematics