Amber Thrall

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EDUCATION

University of Arizona, Tuscon, AZ

- Masters in Mathematics   2018 – 2020
  - Incomplete. Left to pursue software engineering.

University of Washington Bothell, Bothell, WA

- B.S. in Mathematics   2016 – 2018
  - Cum Laude

Everett Community College, Everett, WA

- Associates in Arts and Science (Direct Transfer Agreement)   2014 – 2016

AWARDS & SCHOLARSHIPS

- Mary Gates Research Scholarship   Mar 2017 – Dec 2017
  Competitive scholarship awarded to approximately 160 students annually across all University of Washington campuses for engaging in research with a faculty mentor. (Press)
- Dean's List, University of Washington Bothell   2016 – 2018
  For attaining a quarterly GPA of at least 3.50 in 12 or more numerically graded credits each quarter for three quarters of the academic year.
- Tau Sigma Honors Society, University of Washington Bothell   2016 – 2018
  For attaining a GPA of at least 3.50 in 12 or more numerically graded credits in the first quarter as a transfer student.

PUBLICATIONS

- P. Paparella and A. Thrall. Realizing Suleĭmanova spectra via permutative matrices, II, in press, *Linear Algebra Appl.*, 2019. 10.1016/j.laa.2018.12.030
- S. Hoover, D. McCormick, P. Paparella and A. Thrall. On the realizability of the critical points of a realizable list, in press, *Linear Algebra Appl.*, 2018. 10.1016/j.laa.2018.06.024

COMPUTER SKILLS

Languages: C++, Python, Ruby, Javascript, SQL
Libraries: React, Ruby on Rails
Applications: MATLAB, LaTeX
Operating Systems: Linux (Arch), Windows

RESEARCH EXPERIENCE

University of Washington Bothell

- Undergraduate Research, Mathematics   Jan 2017 – Jun 2018
  - Project: Real Nonnegative Inverse Eigenvalue Problem
  - Advisor: Dr. Pietro Paparella
  - Focus: Nonnegative matrices, permutative matrices, and real eigenvalues.
- Research Experience for Undergraduates, Mathematics   Jun 2017 – Aug 2017
  - Project: Perron Similarities and the Nonnegative Inverse Eigenvalue Problem
  - Advisor: Dr. Pietro Paparella
  - Focus: Nonnegative matrices, eigenvalues, and critical points.

PRESENTATIONS

- S. Hoover, D. McCormick, and A. Thrall. *On the realizability of the critical points of a realizable list.* MAA Undergraduate Poster Session at the Joint Mathematics Meetings, San Diego, CA. 12 Jan 2018.
- S. Hoover, D. McCormick, and A. Thrall. *On the realizability of the critical points of a realizable multiset.* University of Washington Bothell 2017 Research Symposium, Bothell, WA. 10 Aug 2017.
- A. Thrall. *Permutative Matrices and the Real Nonnegative Inverse Eigenvalue Problem.* University of Washington Undergraduate Research Symposium, Seattle, WA. 18 May 2017.

TEACHING EXPERIENCE

University of Arizona

- Graduate Teaching Assistant   Aug 2018 – Dec 2020
  - Math 122B: First Semester Calculus   Fall 2020
  - Math 120R: Calculus Preparation   Spring 2020
  - Math 120R: Calculus Preparation   Fall 2019

University of Washington Bothell, Bothell, WA

- Undergraduate Teaching Assistant, First Year and Pre-Major Program   Sep 2017 – Jun 2018

VOLUNTEERISM   **Mid-Columbia Pride**, Kennewick, WA (defunct)

- Web Administrator   2013 – 2014
  - Restructured website to be more up-to-date and professional. Also maintained the website to display upcoming events.
  - Volunteered for various community events.
  - Trained my replacement upon leaving.