

Andrew D. Loveless, PhD

Full Teaching Professor of Mathematics | University of Washington

✉ aloveles@uw.edu | ☎ (206) 288-3766 | 🌐 [Website](#)

Professional Summary

Transformative leader in undergraduate mathematics education with 20+ years at the University of Washington. Taught over 22,000 students while advancing curriculum innovation, faculty mentorship, and institutional leadership. Recognized for creating widely used instructional resources, fostering inclusive learning, and leading large-scale educational initiatives.

Education

- PhD, Mathematics, Washington State University, 2005
 - BS, Mathematics & Computer Science (Cum Laude, Honors in Mathematics), UPS, 2002
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Current Leadership Roles (2025)

- Member, UW College Council (first teaching faculty member)
 - Chair, Math Teaching Faculty Committee
 - Chair, Math 12x Curriculum Committee
 - Member, Math 126/224 Curriculum Committee
 - UW Math in the High School Coordinator & Liaison
 - Math Teaching Fellow
 - Chair, Math Excellence in Teaching Award Committee
 - Member, Five for Flourishing Initiative
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Teaching Experience

- 20+ years teaching large-enrollment courses (400+ students/quarter)
 - Courses taught: Math 111, 112, 120, 124, 125, 126, 207, 224, 300
 - Creator of globally used review materials and instructional videos
 - Instructor for honors and seminar courses emphasizing deep engagement
 - Developer of teaching guides and resources for WebAssign, Canvas, Panopto, Gradescope, Zoom
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Major Initiatives

- Joy in Learning Initiative – advancing joyful, inclusive classrooms; piloted through WXML and a summer research course
 - “How to Reply?” Project – research-based framework for supporting students in distress
 - Digital Outreach – extensive presence on YouTube and other platforms, reaching thousands beyond UW
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Awards & Recognition

- UW Distinguished Teaching Award
- UW Honors Excellence in Teaching Award
- Panhellenic Faculty Member of the Year

- Multiple student-nominated teaching awards
 - Most-rated and highest-rated instructor (for those with 100+ ratings) on RateMyProfessors (UW)
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Service & Mentorship

- TA Coordinator & Mentor – trained and supported new TAs for Math 125 and other courses
 - Resource Development – authored UW Math Wiki resources, exam archives, grading/disability guides
 - Faculty Fellow Orientation Leader (multiple years)
 - Summer Math Study Center Director & mentor for 100/200-level instructors
 - Conference Presenter – Regional MAA, 2025
 - Senior Thesis Advisor (Letian Chang, 2013)
 - Robinson Center Honors Panel Participant (2012)
 - Write ~40 recommendation letters annually for students and graduate instructors
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Selected Committee Work

- UW Distinguished Teaching Award Committee
 - Teaching Faculty Hiring Committee
 - Undergraduate Program Committee
 - Teaching Faculty Promotion Committee
 - Awards Committee
 - Math Executive Committee
 - CTL Large Class Colloquium
 - Freshman Interest Seminars (three times)
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Publications

- *Computer Proofs of Fibonacci Identities*, Congr. Numer. 200 (2010), 161–168
 - *A Congruence for Products of Binomial Coefficients modulo a Composite*, Integers, Vol. 7 (2007), #A44
 - *The General gcd-product Function*, Integers, Vol. 6 (2006), #A19
 - *Now, What Year Is It?*, Amer. Math. Monthly, Problems & Solutions, Oct. 2006, 113(8), 759
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Additional Background

- Lifelong Washington resident (Yakima native)
 - Married to a Seattle Public Schools teacher; three children (oldest a UW freshman)
 - Community leader: youth sports director, coach (baseball, basketball, tennis), and school fundraiser
 - Competitive tennis player: 4th in state (HS doubles), collegiate all-conference honors
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Honors & Scholarships

- WSU Hacker Scholarship & Abelson Fellowship
- Outstanding Senior Award in Mathematics & Computer Science, University of Puget Sound
- McGill, Wilcox, Hunter Family Scholarships, UPS
- Graduated Cum Laude, Honors in Mathematics