

ROBERT SNELLMAN JR.

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EDUCATION

University of California, San Diego <i>PhD Mathematics</i>	2012 - 2017 <i>La Jolla, CA</i>
University of Utah <i>MS Mathematics</i>	2010 - 2012 <i>Salt Lake City, UT</i>
University of Utah <i>BS Mathematics–Summa Cum Laude</i>	2006 - 2010 <i>Salt Lake City, UT</i>

EMPLOYMENT

Brigham Young University <i>Assistant Professor</i>	2021 - Present <i>Provo, UT</i>
Brigham Young University <i>Visiting Assistant Professor</i>	2018 - 2021 <i>Provo, UT</i>
MiraCosta Community College <i>Adjunct Instructor</i>	2018 <i>Oceanside, CA</i>
University of California, San Diego <i>Lecturer</i>	2017 - 2018 <i>La Jolla, CA</i>
Center for Communications Research <i>Adjunct Researcher</i>	2017 - 2018 <i>La Jolla, CA</i>
Mesa Community College <i>Adjunct Instructor</i>	2014 - 2016 <i>San Diego, CA</i>
University of California, San Diego <i>Instructor</i>	2016 <i>La Jolla, CA</i>
University of California, San Diego <i>Teaching Assistant</i>	2012 - 2017 <i>La Jolla, CA</i>
University of Utah <i>Instructor</i>	2010 - 2012 <i>Salt Lake City, UT</i>

COURSES TAUGHT

Brigham Young University	2018 - Present
<ul style="list-style-type: none">· Math 112: Calculus 1 (\sim 200-600 student enrollment per course).· Math 113: Calculus 2· Math 213: Linear Algebra.· Math 320: Algorithm Design and Optimization 1.· Math 322: Algorithm Design and Optimization 2.· Math 352: Complex Analysis.· Math 487: Number Theory.	

- MiraCosta Community College** 2018
- Math 155: Calculus 2.
- University of California, San Diego** 2017 - 2018
- Math 20C: Multivariable Calculus.
 - Math 18: Linear Algebra.
 - Math 20D: Differential Equations.
 - Math 120A: Complex Analysis.
- Mesa Community College** 2014 - 2016
- Math 150: Calculus 1.
 - Math 255: Differential Equations.
 - Math 92: Beginning and Intermediate Algebra.
 - Math 151: Calculus 2.
 - Math 254: Linear Algebra.
- University of California, San Diego** 2012 - 2017
- Math 104C: Number Theory 3.
 - Math 104A: Number Theory 1.
 - Math 103A: Modern Algebra 1.
 - Math 31BH: Honors Multivariable Calculus.
 - Math 20E: Vector Calculus.
 - Math 20D: Differential Equations.
 - Math 20C: Multivariable Calculus.
 - Math 20B: Calculus 2.
 - Math 20A: Calculus 1.
- University of Utah** 2010 - 2012
- Math 2250: Differential Equations and Linear Algebra.
 - Math 1220: Calculus 2.
 - Math 2210: Multivariable Calculus.
 - Math 1100: Business Calculus.

SERVICE AND COURSE CREATION

- Mathematical Association of America (MAA)** 2022 - Present
- I was recently elected as the chair-elect of the Intermountain Section of the MAA.
- Mathematical Association of America (MAA)** 2022 - Present
- I am currently serving as the chair of the newly formed MAA committee for VITAL Faculty Concerns, which is aimed at addressing concerns of VITAL faculty, and making the appropriate recommendations to the MAA board.
- Mathematical Association of America (MAA)** 2021 - 2024
- I am currently serving as a membership committee member on the VITAL program through the MAA. VITAL stands for **V**isitors, **I**nstructors, **T**As, **A**djuncts, and **L**ecturers, and is an MAA professional development program for faculty in the above categories. The current charge of the membership committee is to, in consultation with relevant MAA committees, members, prospective members, and stakeholders

- to identify the needs of current and prospective MAA members,
 - to make recommendations for ways in which MAA membership benefits might meet the above needs,
 - to review proposals for maintaining and expanding membership in the MAA, and
 - to work closely with the MAA staff to ensure the feasibility and implementations of the committee’s recommendations.
- I was invited and served as a panelist during MathFest 2021 on the topic of VITAL faculty and what can the MAA do to support VITAL faculty.
 - Served as a judge during the undergraduate paper presentations at MathFest 2021.

Brigham Young University

2018 - Present

- For the past academic year, I have been serving as the associate director of the ACME program.
- In coordination with the graduate committee in the department of mathematics, I help to run monthly seminars aimed at training our GTAs in their responsibilities and best-practices in teaching.
- Coordinator for Math 112, Math 113, and Math 109.
- Currently serving as chair of the Calculus Committee.
- Developed an online Math 112 Calculus 1 course for BYU Online.
- Created and continue to administer a semi-annual pre-semester prep course for incoming Math 112 Calculus 1 students.
- Created a second term Precalculus course, Math 109. This course runs alongside Math 110 and provides the trigonometry required for students to transition into Math 112.
- Created new online and written homework schedules for Calculus 1 in-line with the new edition of the textbook.
- Assisted with creation and revision of Math 215 (Linear Algebra) labs and materials.
- Assisted with revisions of the ACME Volume 2 textbook prior to publication.
- Served as a judge and panelist at the annual Student Research Conference (SRC).
- Assisted with organizing the 2020 Math Summer Camp (cancelled due to COVID-19).
- Worked on maintaining up-to-date information on the math department website as part of public relations.
- Served as a point of contact in the department for assistance with Gradescope during the COVID-19 transition to online teaching.

University of California, San Diego

2017 - 2018

- Participated as a graduate mentor to four undergraduate students as part of the Graduate Undergraduate Leadership Program (GULP).
- Proctor for the Putnam exam.
- Proctor for the California high school mathematics competition exam.

Mesa Community College

2014 - 2016

- Created and taught an Introduction to Cryptography course for students and faculty.
- Served as a panelist for evaluating students involved in individual research.

MENTORING AND SUPERVISED READING

Brigham Young University

2018 - Present

- Co-mentoring students on a family network research project using persistent homology to distinguish between social networks and family networks (4 students).
- Co-mentored students on a research project for NCH Capital comparing value versus growth equities (7 students).
- Supervised a reading course on algebraic number theory working through Daniel Marcus's textbook *Number Fields* (1 student).
- Supervised a reading course on computational programming with applications to research on kidney donor distribution networks (1 student).
- Supervised a reading course on network analysis (2 students).

University of California, San Diego

2017 - 2018

- Supervised a reading course on special values of L -functions (4 students).

TALKS/PRESENTATIONS/RECRUITING EVENTS

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| · High school banquet keynote speaker | 2022 |
| · Undergraduate banquet keynote speaker | 2022 |
| · Salem Hills High School Recruiting Event | 2022 |
| · CTL "Effective Learning Seminar" (discussion facilitator) | 2022 |
| · CTL "Effective Learning Seminar" (discussion facilitator) | 2021 |
| · CTL "What did I learn, and what will I keep?" webinar (panelist) | 2021 |
| · Westlake High School Recruiting Event | 2021 |
| · Salem Hills High School Recruiting Event | 2021 |
| · BYU Colloquium | 2020 |
| · BYU Mathematics Summer Camp. | 2019 |
| · Latinos in Action. | 2019 |
| · BYU Mathematics Colloquium. | 2018 |
| · ERAU Mathematics Colloquium. | 2018 |
| · UCSD Graduate Mathematics Colloquium. | 2016 |
| · UCSD Graduate Student Workshop on Algebra, Number Theory, and Algebraic Geometry. | 2016 |
| · University of Utah Graduate Mathematics Seminar. | 2011 |
| · University of Utah Undergraduate Mathematics Colloquium. | 2011 |

AWARDS AND SCHOLARSHIPS

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| · Department Distinguished Citizenship Award | 2022 |
| · Inspiring Learning Award Experiential Learning, BYU | 2021 |
| · ARCS Scholarship. | 2016 |
| · Academic Integrity Teaching Assistant Award. | 2016 |
| · Advancement to Candidacy Award. | 2016 |
| · Salah Baouendi Fellowship. | 2012 |
| · San Diego Fellowship. | 2012 |
| · J.L. Gibson Senior Mathematical Award. | 2010 |
| · Kennecott Scholarship. | 2009 |
| · Clara C. Copley and Bryant C. Copley Scholarship. | 2009 |
| · Honors at Entrance Scholarship. | 2006 |

PUBLICATIONS

- Snellman, R., Osman, S. (2021, October-November). *Being VITAL Faculty*, MAA FOCUS.