Dr. Edward Duran

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Education

May 2024	**University of Missouri**
	PhD in Mathematics
May 2015	**University of Texas at Arlington**
	BS in Mathematics

Career

| Aug 2024 – Current | Texas A&M University– San Antonio: Instructional Assitant Professor of Mathematics |

Teaching Experience

Instructor

Aug 2024 – Dec 2024	*College Algebra*
	Pre-Calculus
Aug 2023 – Dec 2023	*Calculus III (Online)*
Jun 2023– Jul 2023	*Calculus III (Online)*
Jan 2023 – May 2023	*Calculus III (Online)*
Aug 2022 – Dec 2022	*Calculus for social and life sciences*
Jun 2022 – Jul 2022	*Calculus III (Online)*
Jan 2022 – May 2022	*Calculus II*
Jun 2021 – Jul 2021	*Calculus III (Online)*
Jan 2021 – May 2021	*Calculus II (Hybrid)*
	Calculus III (Online)
Jun 2020– Jul 2020	*Calculus III (Online)*
Jan 2020 – May 2020	*Calculus II*
	• Facilitated a seamless transition from in-person teaching to online teaching
	Calculus III
Aug 2019– Dec 2019	*Finite mathematics*
Jun 2019– Jul 2019	*Calculus II*
Jun 2017 – Jul 2017	*Analytic geometry and calculus I*

Teaching assistant

Aug 2021 – Dec 2021	*Calculus II*
Aug 2020 – Dec 2020	*Analytic geometry and calculus I*
Jan 2019 – May 2019	*Calculus II*
Aug 2018 – Dec 2018	*Calculus II*
Jan 2018 – May 2018	*Calculus II*
Aug 2017 – Dec 2017	*Analytic geometry and calculus I*
Jan 2017 – May 2017	*Analytic geometry and calculus I*
Aug 2016 – Dec 2016	*College algebra*
Jan 2016 – May 2016	*College algebra*
Aug 2015 – Dec 2015	*College algebra*

Research Experience

Jun 2014 – July 2014	**Louis Stokes Alliance for Minority Participation (LSAMP) Student Research** Supervisor: Dr. Tuncay Aktosun
Jun 2013 – July 2013	**Louis Stokes Alliance for Minority Participation (LSAMP) Student Research** Supervisor: Dr. Tuncay Aktosun
Jun 2012 – July 2012	**Rice University Summer Institute of Statistics (RUSIS)** Supervisor: Dr. Tuncay Aktosun

Leadership Experience

Aug 2018 – May 2019	**University of Missouri** *Math @ CASE*
Aug 2014 – May 2015	**University of Texas at Arlington** *Treasurer of the Association for Women in Mathematics chapter*
Aug 2014 – May 2015	**University of Texas at Arlington** *Treasurer of the Mathematical Association of America chapter*
Jun 2013 – May 2015	**Math Alliance** *Math Alliance pre-doctoral scholar*
Jun – Oct 2013	**University of Texas at Arlington** *UTA Math Camp volunteer* • Plan and fascilitate math-related activities with local middle schools in low income areas.
Mar 2011	**Alamo Community Colleges District** *Ambassador for the Alamo Community Colleges Academic Summit* • Critiqued the ideas and possible effectiveness of the collegiate administrators of the A.C.C.D.

Honors

May 2022	**University of Missouri** *Department of Mathematics Distinguished Teaching Award*
Aug 2015	**National Science Foundation** *MS2015 Scholarship*
Aug 2011 – May 2014	**University of Texas at Arlington** *Scholarships for Undergraduates to Reach Goals in Education (SURGE)*

Conference Attendance

Nov 2014	**Field of Dreams Conference** *Attendee*
Oct 2013	**Society for the Advancement of Chicanos and Native Americans in Science National Conference** *Attendee*
Aug 2013	**Young Mathematicians Conference** *Presenter*

Research Interests and Publications

Applications of quiver invariant theory (QIT) to other areas such as the Brascamp-Lieb constant in Harmonic Analysis and Convex Geometry as well as data recovery and algorithmic solutions.

2012	1. Ajoku, A., Bergara, A., **Duran, E.**, Rojo, J. & White, B. Modeling of Ground-Level Ozone Exceedances Measured in Six National Parks Using the Jonckheere-Terpstra Test. *2012 Society for the Advancement of Hispanics/Chicanos and Native Americans in Science Nation Conference* (2012).

Programming Languages

Wolfram Language/Mathematica, Python/SageMath, Julia, C#, C++, C

Additional Certificates and Skills

Online Teaching Certificate awarded by the University of Missouri, Canvas, WebAssign, tutoring for competitive math