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CONTACT INFORMATION	Snow Hall 637 The University of Kansas Lawrence, KS 66045	<i>E-mail:</i> cuchizono@ku.edu <i>Web:</i> <a href="https://cuchizono.com">https://cuchizono.com</a>
EDUCATION	<b>University of Kansas</b> <i>Ph.D. Mathematics. Advisor: Reuven Hodges</i>	2024 – Present
	<b>University of the Pacific</b> <i>Honors B.S., Mathematics</i>	2024
RESEARCH EXPERIENCE	<b>Undergraduate Honors Thesis</b> , University of the Pacific <i>Advisor: Alex Dugas</i>	2023
	Related and generalized urban renewal of dimer models further via quivers with potential and classified pathological examples. Presented by Alex Dugas at the 2024 Maurice Auslander Distinguished Lectures and International Conference.	
	<b>Experimental Math Lab</b> , Park City Mathematics Institute USS <i>Advisor: Albert Artiles</i>	2023
	Investigated and compared the convergence rates of decimal and continued fraction approximants of numbers in $[0, 1]$ .	
	<b>Summer Undergraduate Research Fellowship</b> , University of the Pacific <i>Advisor: Alex Dugas</i>	2022
	<ul style="list-style-type: none"> <li>• Related a variant of urban renewal of dimer modules to quivers with potential at 4-valent nodes.</li> <li>• Wrote code to generate mutation classes of dimer models and quivers.</li> </ul>	
HONORS AND AWARDS	<b>Outstanding Graduating Senior in Mathematics</b>	University of the Pacific, 2024
	<b>Summer Undergraduate Research Fellowship</b>	University of the Pacific, 2022
	<b>Dean's Honor Roll</b>	University of the Pacific 2022 - 2024
TALKS	<i>Generalized Urban Renewal of Dimer Quivers with Potential.</i> KU GSO Seminar, University of Kansas, Lawrence, October 2025.	
	<i>Some Geometry from the Perspective of Cluster Algebras.</i> KU Combinatorics Seminar, University of Kansas, Lawrence, October 2025.	
	<i>Cluster-Like Algebras from Triangulations of Non-Orientable Surfaces.</i> KU Combinatorics Seminar, University of Kansas, Lawrence, October 2025.	
	<i>Restricted Quiver Mutation and <math>n</math>-Face Urban Renewal in Dimer Models.</i> KU Combinatorics Seminar, University of Kansas, Lawrence, April 2025.	
	<i>A Brief Introduction to Quiver Mutation and Finite Mutation Type.</i> KU Combinatorics Seminar, University of Kansas, Lawrence, November 2024.	
	<i>Mutations of Quivers with Potential and Dimer Models.</i> PME Contributed Session on Research by Undergraduates, Joint Mathematics Meetings, San Francisco, January 2024.	
	<i>Relationship of Mutation of Dimer Graphs at 4-Faces and Quiver Mutations at 4-Valent Vertices.</i> Poster presentation, Pacific Undergraduate and Creativity Conference, Stockton, April 2023.	
VOLUNTEERING	<b>University of Kansas Math Club</b>	2025 – Present

- Gave lectures in cluster algebras and representation theory.
- General involvement in graduate-undergraduate interaction.

**Pacific Math Club**

2023 – 2024

- Gave lectures in point-set topology, manifolds, and complex analysis.
- Coordinated outreach and club activities as co-president.

TEACHING  
EXPERIENCE

**Graduate Teaching Assistant**, University of Kansas

2024 – Present

- *Precalculus (MATH 104): Fall 2025*
- *Business/Biology Calculus I: Spring 2025 (2 sections), Spring 2026.*
- *Intermediate Mathematics (MATH 002): Fall 2024 (2 sections).*

**Mathematics Instructor**, Art of Problem Solving

2024 – Present

- *Intro to Counting and Probability*
- *Intermediate Counting and Probability*
- *Honors Math 3*
- *Honors Math 7*
- *Honors Math 9*
- *AMC 10/12 Prep Camp*

**Mathematics Instructor**, University of Georgia Trio Upward Bound

2025

- *Geometry, Algebra, Precalculus*

HONOR SOCIETIES

**Pi Mu Epsilon**

2023

**Phi Kappa Phi**

2023

COMPUTING SKILLS

- Languages and packages: C, C++, Python, Java, OW2 ASM, Matplotlib, NumPy, SciPy, MATLAB, SageMath
- Operating systems: Windows, Linux
- Misc.: Git, Tailscale