CONNOR W. MAGOON

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"Run, Faraday, Run"

EDUCATION		
The U	University of North Carolina at Chapel Hill (UNC)	
PhD	Applied Mathematics	2023-
BS	Physics and Applied Mathematics	2019-2023
PUBLICA	TIONS	
Diffe	rentiation Through Black-Box Quadratic Programming Solvers <u>Connor W. Magoon</u> *, Fengyu Yang*, Noam Aigerman, Shahar Z. Kovalsky <u>NeurIPS</u>	Accepted 2025
The w	vay bubbles gallop Jian H. Guan, Saiful. I. Tamim, <u>Connor W. Magoon</u> , Howard A. Stone, and Pedro J. Sáer <u>Physical Review Fluids</u>	Accepted 2025
Gallo	ping Bubbles Jian H. Guan*, Saiful. I. Tamim*, <u>Connor W. Magoon*</u> , Howard A. Stone, and Pedro J. Sa <u>Nature Communications</u>	2025 áenz
Trave	ling Faraday waves Jian H. Guan, <u>Connor W. Magoon</u> , Matthew Durey, Roberto Camassa, and Pedro J. Sáen <u>Physical Review Fluids</u>	2023 z
*Equa	l contribution	
HONORS		
Galle	ry of Fluid Motion Award, American Physical Society / Division of Fluid Dynamics Jian H. Guan, Saiful. I. Tamim, <u>Connor W. Magoon</u> , Howard A. Stone, and Pedro J. Sáer <u>"Galloping Bubbles"</u>	2024 nz
Docto	oral Merit Fellowship, UNC	2023-2024
Archi	bald Henderson Mathematics Medal, UNC	2023
Milto	n van Dyke Award, American Physical Society / Division of Fluid Dynamics	2022

Jian H. Guan, Connor W. Magoon, Matthew Durey, Roberto Camassa, and Pedro J. Sáenz

TALKS

Collective Dynamics of Galloping Bubbles <u>Connor W. Magoon</u> , Xinyun Liu, Jian H. Guan, Saiful I. Tamim, and Pedro J. Sáenz <u>APS Division of Fluid Dynamics Meeting</u>	2024
Direct Numerical Simulations of Vibrating Bubbles Self-Propelling Along Solid Boundaries <u>Connor W. Magoon</u> , Jian H. Guan, Saiful I. Tamim, and Pedro J. Sáenz <u>APS Division of Fluid Dynamics Meeting</u>	2023
TEACHING	
Instructor	
First Course in Differential Equations Laboratory (MATH 383L)	Fall 2025
TA	
Calculus of Functions of Several Variables (MATH 233) General Physics II: For Students of the Life Sciences (PHYS 115) Introductory Calculus-based Electromagnetism and Quanta (PHYS 119)	Fall 2024, 2025 Summer 2021 Fall 2020
Grader	

Introduction to Fluid Mechanics (MATH 563) Elementary Differential Equations (MATH 524) Spring 2025 Spring 2024