Anthony LoPrete

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EDUCATION	**University of Pennsylvania**, Philadelphia, PA	Aug 2021 - Present
	PhD Bioengineering	
	American University, Washington, DC	Aug 2017 - May 2021
	BS Physics (honors) and Computational Science, *summa cum laude*	

HONORS & AWARDS	Ashton Fellowship	Aug 2021
	Outstanding Academics in Physics	Apr 2021
	Scott A. Bass Outstanding Scholarship at the Undergraduate Level Award	Apr 2021
	Outstanding Achievement in Undergraduate Research	Mar 2021
	Goldwater Scholarship	Mar 2020
	University of Rochester CVS/NIH Summer Research Fellowship	Mar 2020
	Upsilon Pi Epsilon	Mar 2019
	NASA DC Space Grant Summer Research Fellowship	Mar 2019

PAPERS

Anthony LoPrete and Arthur G. Shapiro (submitted), "The Pulfrich Effect in Virtual Reality," Preprint posted at: bioRxiv. 585956, 1-20. (2024). DOI: https://doi.org/10.1101/2024.03.21.585956

Emily L. Isenstein, Tomas Waz, **Anthony LoPrete**, Yacinda Hernandez, Emily J. Knight, Ania Busza, and Duje Tadin, "Rapid assessment of hand reaching using virtual reality and application in cerebellar stroke," PLOS One. 17(9). (2022). DOI: https://doi.org/10.1371/journal.pone.0275220

Arthur G. Shapiro and **Anthony LoPrete**, "Helix rotation: luminance contrast controls the shift from two-dimensional to three-dimensional perception," Journal of the Optical Society of America A. 37, 262-270 (2020). DOI: https://doi.org/10.1364/JOSAA.382373

PRESENTATIONS

Anthony LoPrete and Arthur G. Shapiro, "Local Contrast and Global Luminance Modulate Interocular Delay in Virtual Reality," short talk presented at: Optica Fall Vision Meeting, 2021 October 19, Seattle, WA (held virtually).

Anthony LoPrete, Emily Isenstein, Emily Knight, and Duje Tadin, "Development of a VR Reaching Task to Study the Relationship between Vision and Proprioception," talk presented at: University of Rochester BCS/CVS Summer Undergraduate Research Lecture Session, 2020 August 19, Rochester, NY (held virtually).

Anthony LoPrete and Arthur G. Shapiro, "The Pulfrich Effect in Virtual Reality," poster presented at: NASA DC Space Grant Consortium Poster Session, 2020 January 22, Washington, DC.

Anthony LoPrete and Arthur G. Shapiro, "Luminance Captures Equiluminance in 3-dimensional motion," poster presented at: The Optical Society Fall Vision Meeting, 2019 September 19 - 22, Washington, DC.

Arthur G. Shapiro, **Anthony LoPrete**, and Lily Donaldson, "Helix Rotation: A new twist on Pulfrich and Hess for investigating color and depth perception in virtual reality," talk presented at: Symposium of the International Colour Vision Society, 2019 July 5 - 9, Riga, Latvia.

TEACHING	**American University**	
	CSC-280: Introduction to Computer Science I (Teaching Assistant)	Spring 2019
	CSC-476/676: Computer Vision (Teaching Assistant)	Spring 2021
	MATH-221: Calculus I (Supplemental Instruction Leader)	Spring 2020, Fall 2020
	PHYS-356: Waves and Optics (Teaching Assistant)	Spring 2020
INVITED	University of Pennsylvania, CNI +/-	Mar 2022
TALKS	University of Rochester, Active Perception Lab Meeting	Feb 2021
OUTREACH	Co-organizer, CNI +/-, University of Pennsylvania	Sep 2022 - May 2023
	Panelist, "Applying to STEM Grad Programs," American University	Oct 2022
	mindCORE Stamp Mentor, University of Pennsylvania	Oct 2021 - Dec 2021
	Panelist, "Merit Awards Demystified," AU CDI & OMA	Mar 2021
	Volunteer, DC Math Circle	Sep 2019 - Sep 2020