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Current Position

John C. Malone Associate Professor
Department of Computer Science, Johns Hopkins University

2026–present
Baltimore, MD, USA

Education

Ph.D. in Computer Science
University of Wisconsin–Madison

2010–2015
Madison, WI, USA

Selected Publications

User Interaction Patterns and Breakdowns in Conversing with LLM-Powered Voice Assistants

Amama Mahmood, Junxiang Wang, Bingsheng Yao, Dakuo Wang, and Chien-Ming Huang
International Journal of Human-Computer Studies (2025)

Care to Explain? AI Explanation Types Differentially Impact Physician Diagnostic Performance and Trust in AI

Andrew Prinster, Amama Mahmood, Suchi Saria, Jean Jeudy, Cheng Ting Lin, Paul Yi, and Chien-Ming Huang
Radiology (2024)

ELLA: Generative AI-Powered Social Robots for Early Language Development at Home

Victor Nikhil Antony, Shiye Cao, Shuning Wang, and Chien-Ming Huang
Proceedings of the 2026 ACM Interaction Design and Children Conference (IDC) (2026)

Plant-Inspired Robot Design Metaphors for Ambient HRI

Victor Nikhil Antony, Adithya R N, Sarah Derrick, Zhili Gong, Peter M Donley, and Chien-Ming Huang
Proceedings of 2026 ACM/IEEE International Conference on Human-Robot Interaction (HRI) (2026)

Interruption Handling for Conversational Robots

Shiye Cao, Jiwon Moon, Amama Mahmood, Victor Nikhil Antony, Ziang Xiao, Anqi Liu, and Chien-Ming Huang
Proceedings of the 2025 Robotics: Science and Systems Conference (RSS) (2025)

Voice Assistants for Health Self-Management: Designing for and with Older Adults

Amama Mahmood, Shiye Cao, Maia Stiber, Victor Nikhil Antony, and Chien-Ming Huang
Proceedings of 2025 ACM Conference on Human Factors in Computing Systems (CHI) (2025)

“See You Later, Alligator”: Impacts of Robot Small Talk on Task, Rapport, and Interaction Dynamics in Human-Robot Collaboration

Kaitlynn Pineda, Ethan Brown, and Chien-Ming Huang
Proceedings of 2025 ACM/IEEE International Conference on Human-Robot Interaction (HRI) (2025)

On Using Social Signals to Enable Flexible Error-Aware HRI

Maia Stiber, Russell H. Taylor, and Chien-Ming Huang
Proceedings of 2023 ACM/IEEE International Conference on Human-Robot Interaction (HRI) (2023)