

Dr. Khizer Khaderi MD, MPH | Founder, Director Stanford Human Perception Lab, Stanford Institute for Human-Centered AI

Dr. Khizer Khaderi is a Clinical Associate Professor at the Byers Eye Institute at Stanford University. Khaderi is the Director/Founder of the Stanford Human Perception Laboratory (HPL) and the Stanford Vision Performance Center (VPC). He also serves as faculty at the Stanford Institute for Human-Centered AI and the Wu Tsai Human Performance Alliance (HPA)

Khaderi is a renowned Neuro-Ophthalmic surgeon, technologist and futurist. He founded Vizzario Inc, a perceptual AI company, spun out from HPL. Khaderi has extensive domain expertise in artificial intelligence (AI), virtual reality (VR), augmented reality (AR), mixed reality (MxR), wearables, gaming, Web3, applied neuroscience, human factors, and human-machine interfaces/interaction. His research interests include developing personalized human intelligent systems based on the human brain and sensory systems, developing technologies to optimize human performance, and combining biological and computational principles to expand our capabilities in research, clinical practice, and everyday life. Dr. Khaderi's approach to advance research interests and develop practical applications for everyday use is building collaborative partnerships across academia and industry.

Dr. Khaderi's experience across industry sectors include consumer electronics, gaming, retail, life science, sports/Esports health care, Pharma, e-commerce, to name a few. He has developed novel technologies in these areas, and generated multiple invention patents. Selected as a "40 under 40", he contributed to President Obama's Council of Advisors on Science and Technology regarding vision technology and the aging population. He also advises multiple companies, venture firms and organizations including the Global Esports Federation, Magic Leap, Riot Games, Intel, Activision, Unity, Epic Games, Google, FB, Microsoft, Apple, NBA, Aerie Pharma, the World Health Organization, and the World Bank.

Clinical Focus

Ophthalmology

Academic Appointments

Clinical Associate Professor, Ophthalmology

Faculty Affiliate, Institute for Human-Centered Artificial Intelligence (HAI)

Member, Wu Tsai Human Performance Alliance

Professional Education

Medical Education: University of Utah School of Medicine (2002) UT

Fellowship: USC Neuro-Ophthalmology Fellowship (2011) CA

Board Certification: American Board of Ophthalmology, Ophthalmology (2008)

Residency: University of Arizona Ophthalmology Residency (2006) AZ

Internship: Providence Sacred Heart Medical Center Transitional Year (2003) WA