Stanford



Akshay Paruchuri

Postdoctoral Scholar, Computer Science

Curriculum Vitae available Online

Bio

BIO

I'm a computer scientist by training. For most of my career, I've built and evaluated AI systems to improve health and well-being. I currently focus on multidisciplinary measurement of AI systems at the Center for AI Standards and Innovation (CAISI) within the National Institute of Standards and Technology (NIST). I work on the Applied Systems team led by Stevie Bergman.

I also remain a postdoctoral scholar at Stanford University, working with Sanmi Koyejo and Ehsan Adeli on building and evaluating multimodal AI systems.

PROFESSIONAL EDUCATION

- Ph.D., University of North Carolina at Chapel Hill , Computer Science (2025)

STANFORD ADVISORS

- Sanmi Koyejo, Postdoctoral Faculty Sponsor

LINKS

- Personal Website: https://akshayparuchuri.com/
- Google Scholar: https://scholar.google.com/citations?hl=en&user=tc0M7WwAAAAJ&view_op=list_works&sortby=pubdate

Publications

PUBLICATIONS

- **Transforming wearable data into personal health insights using large language model agents** *NATURE COMMUNICATIONS*
  Merrill, M. A., Paruchuri, A., Rezaei, N., Kovacs, G., Perez, J., Liu, Y., Schenck, E., Hammerquist, N., Sunshine, J., Tailor, S., Ayush, K., Su, H., He, et al
  2026; 17 (1): 1143

- **EgoTrigger: Toward Audio-Driven Image Capture for Human Memory Enhancement in All-Day Energy-Efficient Smart Glasses** *IEEE TRANSACTIONS ON VISUALIZATION AND COMPUTER GRAPHICS*
  Paruchuri, A., Hersek, S., Aggarwal, L., Yang, Q., Liu, X., Kulshrestha, A., Colaco, A., Fuchs, H., Chatterjee, I.
  2025; 31 (11): 9720-9729

- **Structure-Preserving Image Translation for Depth Estimation in Colonoscopy**
  Wang, S., Paruchuri, A., Zhang, Z., McGill, S., Sengupta, R.
  edited by Linguraru, M. G., Dou, Q., Feragen, A., Giannarou, S., Glocker, B., Lekadir, K., Schnabel, J. A.
  SPRINGER INTERNATIONAL PUBLISHING AG.2024: 667-677