

# INTEGRATING AI INTO RESEARCH AND BUILDING A MULTI-DISCIPLINARY TEAM

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# AI IN RESEARCH FOR AGING: CHALLENGES

- Diverse levels of technology literacy
- Resistance, indifference, and enthusiasm coexist
- Risk of digital exploitation and harm



# CAREGIVERS: A GATEWAY FOR AI IMPACT

AI can:

- Automate tasks
- Personalize care recommendations
- Support scheduling, monitoring, and communication
- Indirectly enhances older adults' well-being



# HEALTH APP REVIEW TOOL



User Centered

**User profile**



Matching Algorithm

**Human-to-  
technology**



App Recommendation

**Personalized  
portfolio**

# BUILDING A MULTIDISCIPLINARY AI TEAM



## AI & SOFTWARE ENGINEERS

Developers and data scientists bring technical skills to create models, interfaces, and tools that power the AI systems



## CLINICIANS

Clinicians provide insight into real-world caregiving tasks, user needs, and safe, ethical care delivery models.



## NEUROSCIENCE

Experts in aging and cognition ensure the AI tools align with the neurocognitive profiles and capabilities of users.

# MET OUR TEAM



**Julie Faieta**

Occupational Therapist, Neurosci.,  
Dementia Caregiver



**Yong Choi**

Computer Science,  
Machine Learning,  
Public Health



**Haomin Hu**

Healthcare Internet of  
Things, Large Language  
Modeling

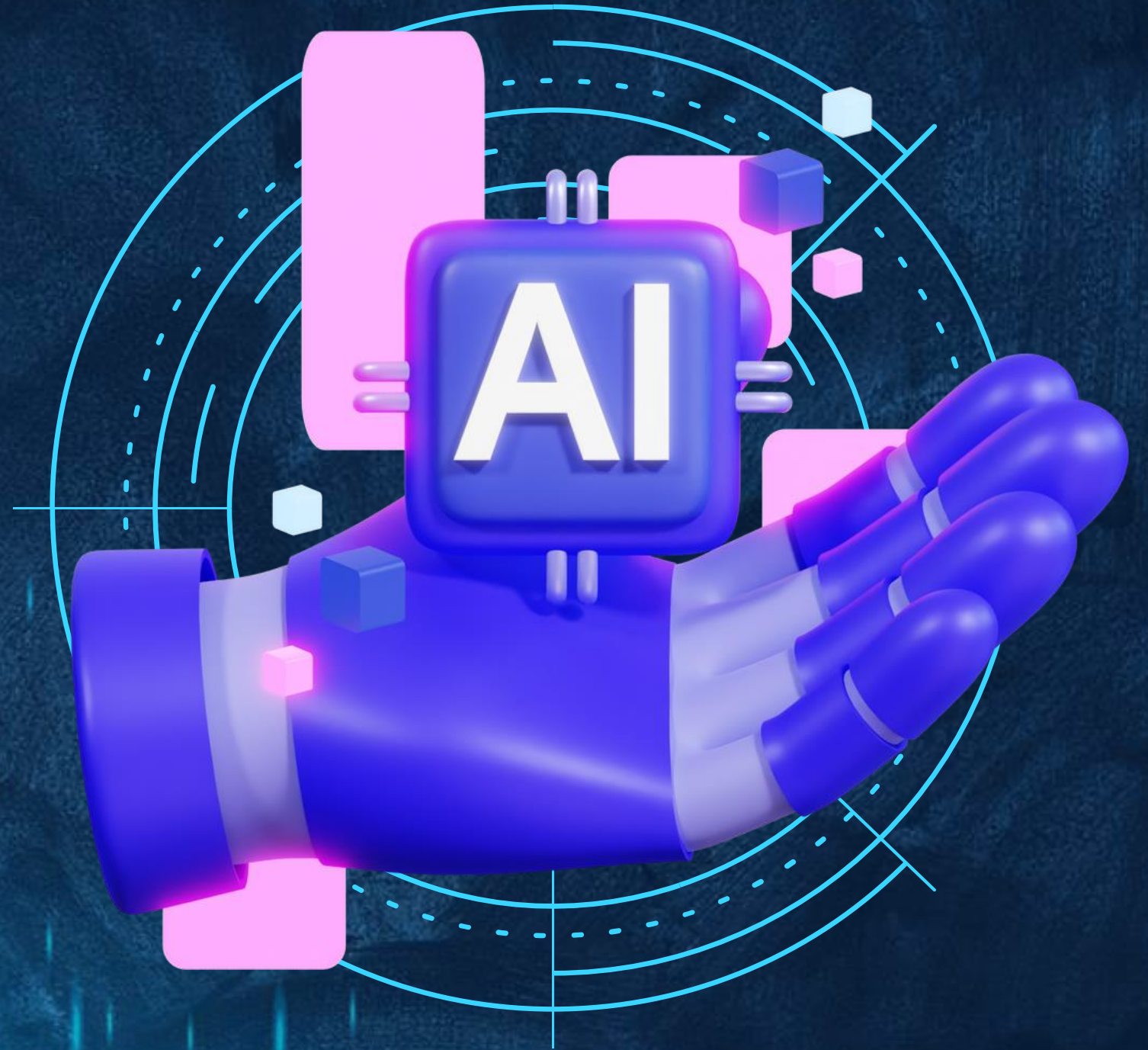


**Caleb Moon**

Neuro sci, Rehabilitation  
Technology

# FUTURE OPPORTUNITIES

- More tech-savvy aging cohorts
- AI will be normalized in health and home care
- Key priorities:
  - Targeted design
  - End-user engaged development
- Empowerment



# THANK YOU!

A presentation is a reflection of the presenter's views and experiences and in no way speaks on behalf of the Veterans Administration (VA) Healthcare System or the Rehabilitation Engineering Society of North America (RESNA). Research reported in this publication/ presentation was supported by the National Institute On Aging of the National Institutes of Health under Award Number P30AG073105. The content is solely the responsibility of the authors and does not necessarily represent the official views of the National Institutes of Health.

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