

January 2024

College of Applied Health Sciences in collaboration with The Grainger College of Engineering

Greetings of the new year! I am delighted to share the first edition of Health Tech Pulse – a newsletter from the Health Technology Education Program at the University of Illinois Urbana-Champaign.

We are excited about our strong and growing collaboration between the Department of Kinesiology & Community Health (soon to be renamed the Department of Health & Kinesiology) in the College of Applied Health Sciences and the Department of Industrial & Enterprise Systems Engineering in The Grainger College of Engineering. Together, the administrators, faculty members, and staff in these departments are advancing our mission of *Designing for Health* through education at all levels: undergraduate, graduate, and professional.

Thank you for your interest and support of health technology at Illinois. Please do not hesitate to reach out with ideas and inspirations as we continue to grow in our support of health and wellness for people of all ages and abilities.

Wendy A. Rogers, Ph.D.
Khan Professor of Applied Health Sciences
Director, Health Technology Education Program

Certificate in Health Technology



Three students recently earned their **Health Technology Undergraduate Certificate**. Bilal Karim (pictured) is a junior studying Neuroscience in the College of Liberal Arts and Sciences.

Karim noted that the "certificate closely aligns with my interests at the intersection of medicine, engineering, and innovation."

There are currently 5+ students pursuing the certificate (10 credit hours).

Interdisciplinary Minor in Health Technology

Today, 15 students are pursuing the minor (19 credit hours) across the University:

Applied Health Sciences.....7
Liberal Arts & Sciences.....6
Grainger Engineering.....2

The first Health Tech Minor graduated in Fall 2023!

Follow us



Health Technology,
University of Illinois
Urbana-Champaign



March 24-27, 2024
Hilton Chicago Hotel | Chicago, IL

The Health Tech program is excited to be an exhibitor at HFES Health 2024!

Stop by Booth 9 to learn more about our one-year MS degree, the professional education program, and becoming a Capstone Partner.

MS-HT students and faculty will be presenting throughout the conference!



MS in Health Technology

Human Factors + Technology + Health

Apply by March 1

Design for health through developing health technologies for all individuals.

Our one-year program has hands-on projects, small cohorts, and a customizable course plan to prepare you in human factors, engineering principals, and UI/UX design.



The MS in Health Technology program is excited to announce a new partnership with Healthcare Education, Research, and Innovation Foundation (HERIF).

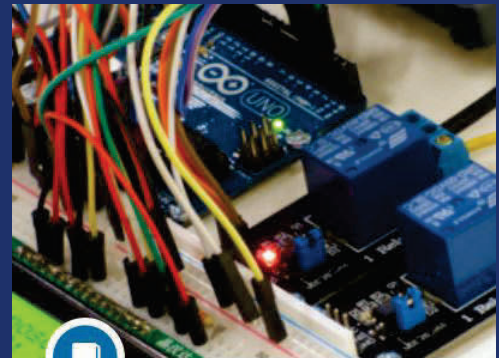
HERIF is dedicated to supporting high-impact programs that seek to transform patient-centered care for individuals, families, and communities.

Through this partnership, HERIF will award two \$5,000 scholarships each year, from 2024-2026!

JUST LAUNCHED!

Check out our new health tech professional education course on Canvas Instructure.

<https://go.illinois.edu/Arduino>



Health Technology: Arduino Microcontrollers in Healthcare

Understand the use of Arduino in various healthcare domains and learn how to create applications utilizing Arduino microcontrollers along with other sensors and actuators using hardware and software...

MS in Health Technology

Class of 2024 Fall Events

JUMP Simulation Center



In September, Dr. Gupta's HT 503 Hardware Engineering class visited the JUMP Simulation Center. Students saw real life applications of hardware technology being used for medical training. This immersion provided a platform to identify potential final project ideas with the assistance and guidance of JUMP simulation center's experts.

MS-HT Speaker Series

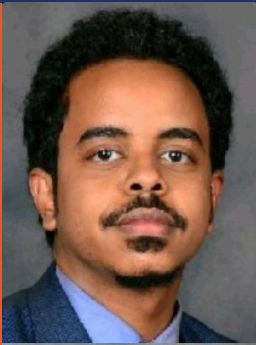
October brought together members of industry and the Health Technology Advisory Board to participate in a 'Career Speed Dating' event for the current students. Students learned more about the members' career paths and recieved great tips to break into the industry.



KCH Colloquium



This fall, a Kinesiology and Community Health Colloquium was focused on health technology. Speakers, Dr. Kathleen Insel and Dr. Jeannie Lee, from the University of Arizona shared their reserach with those in attendance. Afterwards, they enjoyed lunch and conversation with the MS in Health Technology students.



Laelaf Hailu

**Michael Vitoux Health Technology Scholarship
& Health Technology Innovator Scholarship**

Capstone Project: XR for Home Healthcare/Telemedicine
Capstone Project Partner: Caroline Cao

Undergraduate Major: Doctor of Medicine, University of Gondar



Charles Lotspeich

Health Technology Innovator Scholarship

Capstone Project: ConnectCareHero's AI/ML Recommendation Engine
Capstone Project Partners: Susan Aguinaga & Osvaldo Montelongo

Undergraduate Major: Exercise Science, University of Illinois Springfield



Camryn Lynn

Health Technology Innovator Scholarship

Capstone Project: Comparison of Scalp Cooling Approaches for
Chemotherapy-Induced Alopecia (Hair Loss)
Capstone Project Partners: Liz Hsiao-Wecksler & Mahima Goel

Undergraduate Major: Psychology & Zoology, Western Illinois University



Okoro Jude Chinyere

Health Technology Innovator Scholarship

Capstone Project: Designing a Wayfinding Robot to Assist People with
Visual Impairments
Capstone Project Partner: Katie Driggs-Campbell

Undergraduate Major: Medical Radiography, University of Nigeria



Yuritzzy Tello Rocha

Health Technology Innovator Scholarship

Capstone Project: Inclusive mHealth: Addressing GUI Challenges for
Low-Vision and Blind Users
Capstone Project Partner: Soyoung Choi

Undergraduate Major: Kinesiology, University of Illinois Urbana-Champaign



Michael Varzino

James K. & Karen S. McKechnie Fellowship in Applied Health Sciences

Capstone Project: Social Pomodoro Timer
Capstone Project Partner: Mayank Mehta

Undergraduate Major: Kinesiology, University of Illinois Urbana-Champaign