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INFORMATICS, COMPUTING, AND ENGINEERING



Precision Health Informatics

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University of Washington

Friday March 2nd

Luddy Hall 0117

12:00 PM

Using Personal Informatics Data in Collaboration with People with Different Expertise

ABSTRACT

Smartphones and wearable devices enable people to keep more detailed data about their everyday behaviors and decisions. This data can provide insights to help people make informed decisions when pursuing health goals individually and in collaboration with health professionals. However, current personal informatics tools have been designed primarily for personal use, and using this data collaboratively creates new challenges.

My research has examined collaborative use of personal informatics data in clinical settings, workplace health programs, and social context. In this talk, I will discuss current practices and barriers to using personal informatics data in collaborative settings and present results from field studies with new systems to support collaboration among patients and their providers. Current systems often do not provide enough flexibility to support the varied health goals people have. These systems also rarely allow people to communicate and implement their tracking and review goals with health experts. To address these problems, designers must provide mechanisms that help people and health professionals communicate their goals and effectively summarize data, helping them focus on an individual's goals as they collaborate.

BIO

Christina Chung is a PhD candidate in Human Centered Design & Engineering at the University of Washington, and a member of the DUB group. Her research in Human Computer Interaction and Health Informatics helps people make sense of personal informatics data individually and collaboratively. Her work has received a best paper award and honorable mention at ACM conferences and has been covered in the media, such as CNN, Geekwire, and Newsweek. She holds a M.B.A and B.B.A in the Department of Information Management at the National Taiwan University. She also worked as a software engineer in IBM Research Collaboratory Taiwan on health and wellness service innovation research prior to her PhD.



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