

HAOMIN(LEON) HU

Department of Health Information Management
School of Health and Rehabilitation Sciences
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Education

UNDERGRADUATE:

Beijing University of Posts and Telecommunications

B.E. Internet of Things Engineering Sept. 2012 - Jul. 2016

GPA: 3.40 out of 4.00

Queen Mary University of London (joint program)

B.S. Internet of Things Engineering Sept. 2012 - Jul. 2016

GPA: 3.40 out of 4.00

Second Class Honours(Upper Division)

GRADUATE:

University of Pittsburgh

M.S. Information Science Aug. 2016 - May. 2018

GPA: 3.68 out of 4.00

University of Pittsburgh

Ph.D. Rehabilitation Science Aug. 2019 - present

GPA: 3.75 out of 4.00

Research Interests

As a Ph.D. student, my research focuses on interventions using health care Internet of Things (IoT) - a multidisciplinary technology including digital health and sensors in the field of health for people with chronic diseases and their caregivers. I have a diverse background in computer science, electronic engineering, data mining, and rehabilitation science, with specific expertise in digital health. My academic training to date has provided me with the knowledge to apply technology to health care. My ongoing projects have been leveraging digital health to deliver interventions to populations with different diseases. I'm also working on a project that utilizing a multi-component mHealth app to deliver intervention to caregivers. Besides programming, I always play a role in the lab that administers the projects (e.g., staffing, logistics) and coordinates and collaborates with clinicians to facilitate the progress. I did not enroll in the health-related Ph.D. program right after graduation with my Master's degree. During 2018 - 2019, the developer internship in my lab motivated me to change from a developer and engineer to a mobile health researcher. The one-year job inspired me that health care could be one of the prior fields where the Internet of Things could be in practice.

Research Assistant
Beijing University of Posts and Telecommunications

Aug. 2015 - Jun. 2016

At the time of Real Time Communication(RTC) technology becoming popular, I explored and developed the usage of WebRTC and Beacons technology in Internet of Things system and solve the problem about the communication across different platforms. The experience helped me complete my undergraduate dissertation.

Skills

Programming: Java, Swift, Kotlin, SQL, Python, R
Web Development: Typescript, Javascript, HTML, CSS, Docker
Framework: Angular 2+, Ionic 2+, Spring MVC

Other Information

Languages:

1. **Chinese:** Expert, Mother-tongue
2. **English:** Professional
3. **Italian:** Intermediate level