

Herman Saksono

Ph.D. student in computer science, Northeastern University, Boston, MA
ccs.neu.edu/~hsaksono | hsaksono@ccs.neu.edu

EXPERTISE

- Qualitative and quantitative methods
- Data collection and analysis
- Academic writing
- Personal health informatics
- Android development (Java)
- Web development (Python, PHP)

EDUCATION

Northeastern University, Boston, Massachusetts

- **PhD** in Computer Science (2014-present)
- **MS** in Computer Science (2014)

Universitas Gadjah Mada, Yogyakarta, Indonesia

- **Bachelor** in Electrical Engineering (2008)

HUMAN-COMPUTER INTERACTION RESEARCH EXPERIENCES

Digital Storytelling Technology for Family Health Reflection

Northeastern University, Boston MA

PhD Student (2014-present)

- Headed the prototype design and development of a family health promotion tool
- Designed and conducted data collection and qualitative analysis on parent-child reflection and storytelling
- Analyzed YouTube videos on parent-child interaction during storytelling
- Mentored a research team of 6 students

Youth Advocacy on Social Networking Apps

Northeastern University and Boston Area Health Education Center, Boston MA

PhD Student (2015)

- Co-designed participatory design workshop to understand teen's challenges in youth advocacy over social networking apps (SNAs)
- Qualitatively co-analyzed the interview data using inductive method
- Submitted the analysis for publication in an academic conference

mHealth Systematic Review with the AETNA Foundation

Northeastern University, Boston MA

PhD Student (2015-present)

- Co-conducted data extraction and quality analysis on 36 research papers on mHealth (mobile health) for vulnerable publications to be submitted for publication in an academic journal

Master's Thesis Research

Northeastern University, Boston MA

Master's Student (2013-2014)

- Designed a research for understanding the design guidelines for technology based physical activity intervention in family context
- Developed a prototype of a web-based collaborative exercise game using FitBit tracker
- Conducted a 4-week evaluation with 13 families (15 caregivers, 14 children)
- Interviewed 8 participating caregivers (semi-structured)
- Conducted participatory design workshop
- Qualitatively analyzed interview data using inductive method inspired by Grounded Theory

Perception and Attitude towards Physical Activity Among Family Gym Parents

Northeastern University, Boston MA

Research Assistant (2013)

- Co-administered 4 focus groups with 12 caregivers
- Qualitatively co-analyzed focus group data with other research staff using inductive method Co-conducted activity tracking study using Actigraph and co-conducted phone interviews

TEACHING EXPERIENCE

Program Design Paradigm, Northeastern University, Boston MA

Teaching Assistant for a core course in the Master's program (2013)

- Conducted students' code presentation and provided program design feedback
- Reviewed and graded student's code in Racket programming language
- Provided office hours to guide students' problem solving skills

WORK EXPERIENCES

Universitas Gadjah Mada (UGM), Indonesia

E-learning Coordinator (2008-2012)

- Headed eLisa development, a collaborative learning management system for UGM
- Designed user interactions and user interfaces using JQuery, JavaScript, CSS, and HTML

Gamatechno, Indonesia

Senior Designer (2007-2008)

- Designed user interface for Executive Information System using JQuery, JavaScript, and CSS
- Designed user interface for Academic Portal using JavaScript, CSS, and HTML

VOLUNTEER WORK

Paper Submission Reviewer

- CHI Paper (2017, 2018), Late-breaking Work (2016)
- IMWUT Paper (2017)

PUBLICATIONS

Rigorously Peer-reviewed Conference Papers

- **Herman Saksono**, Carmen Castaneda-Sceppa, Jessica Hoffman, Magy Seif El-Nasr, Vivien Morris, Andrea Parker. 2018. **Family Health Promotion in Low-SES Neighborhoods: A Two-Month Study of Wearable Activity Tracking**. To appear in *In Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems*. ACM, New York, NY, USA.
- Elizabeth Stowell, Mercedes C. Lyson, **Herman Saksono**, Reneé C. Wurth , Holly Jimison, Misha Pavel, Andrea G. Parker. 2018. **Designing and Evaluating mHealth Interventions for Vulnerable Populations: A Systematic Review**. To appear in *In Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems*. ACM, New York, NY, USA.
- Herman Saksono, Andrea G. Parker. 2017. **Reflective Informatics Through Family Storytelling: Self-discovering Physical Activity Predictors**. In *Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems*. ACM, New York, NY, USA.
- Farnaz Irannejad Bisafar, Herman Saksono, and Andrea Grimes Parker. 2016. **Youth Advocacy in SNAs: Challenges for Addressing Health Disparities**. In *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI '16)*. ACM.
- Herman Saksono, Ashwini Ranade, Geeta Kamarthi, et al. 2015. **Spaceship Launch: Designing a Collaborative Exergame for Families**. In *Proceedings of the SIGCHI Computer-Supported Cooperative Work and Social Computing (CSCW '15)*. ACM.
- Arkhadi Pustaka and Herman Saksono. 2012. **Designing e-learning environment to encourage student centred learning eLisa Design Comparison**. In *Engineering Education 2012*, 1–9.

Book chapter

- Andrea G. Parker, Herman Saksono, Jessica A. Hoffman, and Carmen Castaneda-Sceppa. 2017. **A Community Health Orientation for Wellness Technology Design & Delivery**. In *Designing Healthcare That Works: A Sociotechnical Approach*, Mark Ackerman, Sean Goggins, Thomas Herrmann, Michael Prilla and Christian Stary (eds.). Elsevier Inc.

Abstracts Presented as Poster

- Herman Saksono, Andrea G. Parker. 2016. **Storytelling as a Platform for Health Sensor Data Reflection & Physical Activity Promotion in a Family Setting**. Forum on Population Health Equity. Harvard T.H. Chan School of Public Health.
- Elizabeth Stowell, Mercedes Lyson, Reneé Wurth, Herman Saksono, Holly Jimison, Misha Pavel, Andrea G. Parker. 2016. **mHealth Research in Vulnerable Populations: A Systematic Review**. Forum on Population Health Equity. Harvard T.H. Chan School of Public Health.
- Ashwini Ranade, Herman Saksono, Andrea Grimes Parker, et al. 2014. **Community-driven technology intervention promoting physical activity in a low-income neighborhood**. 142nd APHA Annual Meeting and Exposition.

AWARDS AND HONORS

Dean's Fellowship, Northeastern University (2014-2015)

A graduate award that is offered upon admission to the most outstanding PhD students who demonstrate exceptional academic promise.

American-Indonesian Cultural-Education Foundation Fellowship (2014-2017)

A competitive grant aimed to foster closer cultural and educational ties between the United States and the Republic of Indonesia.

Fulbright Scholarship, US Department of State (2012-2014)

International educational exchange program sponsored by the U.S. government and is designed to increase mutual understanding between the people of the US and the people of other countries.

Google's Internet at Liberty conference fellow (2012)

Conference to bring together global activists alongside NGOs, academics, governments and corporations to explore the many issues of internet liberty and creative ways to address these challenges.

Indonesian ICT Award INAICTA (2011)

Given for eLisa, an easy to use collaborative learning management system. INAICTA is the nation's top award for innovations in Information and Communications Technology.