

HERMAN SAKSONO

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EDUCATION

Northeastern University , Boston, U.S. Ph.D. in Computer Science (College of Computer and Information Science) Advisor: Andrea G. Parker	2014 - present
Northeastern University , Boston, U.S. M.S. in Computer Science (College of Computer and Information Science)	2014
Universitas Gadjah Mada , Indonesia B.Eng. in Electrical Engineering (Dept. of Engineering)	2008

RESEARCH INTEREST

My research is in the fields of **Human-Computer Interaction (HCI)**, **Computer-supported Cooperative Work (CSCW)**, and **Personal Health Informatics**. I design and evaluate the impact of technologies for supporting a healthy behavior and community empowerment. In my research, I conducted in-depth qualitative fieldwork to examine how gamification, storytelling, and reflection in health technologies can help individuals and groups manage their health and wellness.

EMPLOYMENT

Northeastern University , Boston, U.S. Graduate Research Assistant, <i>Wellness Technology Lab</i> Teaching Assistant (<i>Program Design Paradigm CS5010</i>)	Sept 2014 - Present 2013
Universitas Gadjah Mada , Indonesia E-Learning Coordinator	2008 - 2012
Gamatechno , Indonesia Senior Designer	2007 - 2008

PEER-REVIEWED, ARCHIVAL CONFERENCE PAPERS

Note: In computer and information sciences, conferences are top-tier publishing venues, with selectivity and impact often exceeding that of journals. See: <http://portal.acm.org/citation.cfm?id=1743546.1743569>.

- [1] **Herman Saksono**, Carmen Castaneda-Sceppa, Jessica Hoffman, Magy Seif El-Nasr, Vivien Morris, Andrea G. Parker. 2018. Family Health Promotion in Low-SES Neighborhoods: A Two-Month Study of Wearable Activity Tracking. In *Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems (CHI '18)*. ACM. [26% acceptance rate]
- [2] Elizabeth Stowell, Mercedes C. Lyson, **Herman Saksono**, René C. Wurth, Holly Jimison, Misha Pavel, Andrea G. Parker. 2018. Designing and Evaluating mHealth Interventions for Vulnerable Populations: A Systematic Review. In *Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems (CHI '18)*. ACM. [26% acceptance rate]. **Honorable Mention, Best Paper Award (top 5% of submissions)**

- [3] **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 (CHI '17)*. ACM. [25% acceptance rate]
- [4] Farnaz Irannejad Bisafar, **Herman Saksono**, and Andrea G. 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. [23% acceptance rate]
- [5] **Herman Saksono**, Ashwini Ranade, Geeta Kamarthi, Carmen Castaneda-Sceppa, Jessica Hoffman, Andrea G. Parker. 2015. Spaceship Launch: Designing a Collaborative Exergame for Families. In *Proceedings of the 18th ACM Conference of Computer-Supported Cooperative Work and Social Computing (CSCW '15)*. ACM. [28% acceptance rate]

BOOK CHAPTER

- [1] 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 POSTERS

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

VOLUNTEER WORK

Paper Submissions Reviewer

CHI Paper (2017, 2018) and Late-Breaking Work (2016, 2017); UbiComp/IMWUT (2017); DIS (2018).

AWARDS AND HONORS

Dean's Fellowship, Northeastern University 2014 - 2015
Offered to the most outstanding Ph.D. students who demonstrate exceptional academic promise.

Fulbright Scholarship, U.S. Department of State 2012-2014
International educational exchange program sponsored by the U.S. government.

Google's Internet at Liberty conference fellow, Google 2012
Conference to bring together NGOs, academics, governments and corporations focused on the many issues of internet liberty and creative ways to address these challenges.

PROJECTS

Experiential Learning Systems for Promoting Wellness in Low-Income Families 2016 - Present

Graduate Research Assistant, Northeastern University

PI: Andrea G. Parker, Co-PIs: Jessica Hoffman, Carmen Sceppa, Magy Seif El-Nasr. NSF Grant.

- Co-developed the study design with the principal investigators.
- Conducted and qualitatively analyzed semi-structured interviews with adult caregivers and children.
- Led the development of a mobile app prototype using Android (Java) and Django (Python)

Systematic Review on mHealth Interventions for Vulnerable Populations 2015 - 2018

Graduate Research Assistant, Northeastern University

PI: Andrea G. Parker, Co-PIs: Holly Jimison, Misha Pavel. AETNA Foundation Grant.

- Co-conducted data extraction and quality analysis on a total of 81 research papers

Community-Driven Technologies for Physical Activity Promotion in Families 2013-2014

Graduate Research Assistant, Northeastern University

Lead Co-PI: Andrea G. Parker; Co-PIs: Jessica Hoffman & Carmen Sceppa.

- Developed a web-based collaborative exercise game using Fitbit API, PHP, and JavaScript.
- Conducted interviews, focus groups, and participatory design workshops with adult caregivers and children.
- Conducted inductive qualitative analysis on the interview data.