Sawyer Moore Collins
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Research Interests

Developing and implementing new and old participatory design techniques to better understand the personal physical design and potential uses of socially assistive robotics for use by those living with major depressive disorder.

Education

A.A., **General Studies**, Ivytech Community College 2012-2014
B.A., Cognitive Science, minor Human Centered Computing, Minor Informatics, Indiana University Bloomington, 2014 - 2019
Ph.D, **Informatics, Minor Animal Computer Informatics**, 2019 - present

Appointments

Associate Instructor, 2022 - current
Graduate Research Assistant, 2019 – 2022
Undergraduate Research Opportunities in Research (UROC) Mentor, Fall 2020, Fall 2021
Center of Excellence in Technology (CeWIT) Mentor, Fall 2020 – present
Guest Researcher at Tokyo City University, Yokohama, 2019
Undergraduate Research Assistant 2016 - 2019

Publications

(In publication) Collins, C., Hicks, D., Henkel, Z., Henkel, K.B., Piatt, J. A., Bethel, C. L., & Šabanović, S. (2023) *What Stink Is Your Robot In? Co-Design of a Personalizable Robot for People Living with Depression*. *In 2023 ACM Human Robot Interaction Conference (HRI).* ACM.

Collins, S., & Šabanović, S. (2021, August). "What Does Your Robot Do?" A Tabletop Role-Playing Game to Support Robot Design. In 2021 30th IEEE International Conference on Robot & Human Interactive Communication (RO-MAN) (pp. 1097-1102). IEEE.

Joshi, S.*, Collins, S.*, Kamino, W., Gomez, R., & Šabanović, S. (2020, November). Social robots for socio-physical distancing. In International Conference on Social Robotics (pp. 440-452). Springer, Cham.
*Co-first authors

Randall, N., Bennett, C. C., Šabanović, S., Nagata, S., Eldridge, L., Collins, S., & Piatt, J. A. (2019). More than just friends: in-home use and design recommendations for sensing socially assistive robots (SARs) by older adults with depression. Paladyn, Journal of Behavioral Robotics, 10(1), 237-255.

Collins, Sawyer, Selma Šabanović, Marlena Fraune, Natasha Randall, Lori Eldridge, Jennifer A. Piatt, Casey C. Bennett, and Shinichi Nagata. "Sensing companions: Potential clinical uses of robot sensor data for

home care of older adults with depression." In Companion of the 2018 ACM/IEEE International Conference on Human-Robot Interaction, pp. 89-90. 2018.

Presentations

RO-MAN Conference, ""What Does Your Robot Do?" A Tabletop Role-Playing Game to Support Robot Design, Collins, S., & Šabanović, S. 2021

International Conference on Social Robotics, "Social robots for socio-physical distancing" (Paper and Presentation), Joshi, S.*, Collins, S.*, Kamino, W., Gomez, R., & Šabanović, S., 2020
*Co-Presenters

Midwest Undergraduate Cognitive Science Conference, "Robots at Home – Sensor Data for Use in Therapy" (Poster & Abstract), Sawyer Collins, Selma Šabanović, Marlena R. Fraune, Natasha Randall, Lori Eldridge, Jennifer A. Piatt, Casey C. Bennett, Shinichi Nagata, 2018

Midwest Cognitive Science Conference, "Nao and Later" (Presentation) Marlena R. Fraune, Sawyer Collins, Kyrie Jig, Eliot Smith, Selma Šabanović, 2018

Human Robot Interaction Conference, "Sensing Companions: Potential Clinical Uses of Robot Sensor Data for Home Care of Older Adults with Depression" (Paper & Poster), Sawyer Collins, Selma Šabanović, Marlena R. Fraune, Natasha Randall, Lori Eldridge, Jennifer A. Piatt, Casey C. Bennett, Shinichi Nagata, 2018

Fall Research Symposium Design, "Sleepy Time Scenery" (Poster, Abstract & Prototype) Collin Williams, Sawyer Collins, Hussain Alyousef, 2017

Grants & Scholarships

Computing Research Association Grant, National Science Foundation 2018-2019

Research Experience for Undergraduates Student Stipend 2017-2019

Inclusion@Robotics: Science and Systems Conference Travel Grant 2018

Cognitive Science Summer Research Grant 2017

Demonstrations & Guest Lectures

Zoomorphic Robots, Animal Computer Interaction Seminar, Fall 2020, Fall 2021, Fall 2022

Socially Assistive Robots and Ethics, Computer and Information Ethics, Spring 2020

Incoming Potential SICE Graduate Student "Paro" - Spring 2018

Presentation Introduction to Informatics lecture "Socially Assistive Robots" – Fall 2017

Guest Lecture in School of Public Health "A Look at Assistive Robots for Health Applications and Current in Home Research"– Fall 2017

Presentation in School of Public Health "Healthcare Robots" – Spring 2017

News

Luddy Researchers Exploring use of Social Robots to Support Mental Health During Social Distancing
By: Ken Bikoff
June 5, 2020

https://luddy.indiana.edu/news/story.html?story=Luddy-researchers-exploring-use-of-social-robots-to-support-mental-health-during-social-distancing

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Volunteer Work

Publicity Chair for Graduate Informatics Student Association (GISA), 2021

Facilitator/Outreach Coordinator/Founder for TrUSt (Transgender Union for Students) – Fall 2019 – Spring 2020

Guest panelist for the LGBTQ+ Speakers Bureau, 2019-2020

Gender Affirming Care Team (GACT) Student Representative, 2020

Student advisor for the Deans Advisory Council on Diversity and Inclusion, 2020 - 2021

Recorder for Graduate Informatics Student Association (GISA), 2020