Colin LeFevre

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RESEARCH STATEMENT

As a prospective Ph.D. student, my research interests lie at the intersection of Human-Computer Interaction (HCI), participatory design, and mental health. Using qualitative methods, I aim to investigate and design technology which supports the management of mental health conditions. I am especially interested in how technology can critically engage with the public- and self-stigmas associated with mental health conditions, as well as vulnerable populations which lack access to mental health resources.

EDUCATION

2020 – Dec 2023 **B.S, Informatics with Highest Distinction**, Indiana University Bloomington, USA

Thesis: Examining the Role of Reflective Technology Within Bereavement and Meaning-Making
Advisor: Dr. Chia-Fang (Christina) Chung

Minors: Human-Centered Computing, English
GPA: 4.0

RESEARCH EXPERIENCE

Undergraduate Researcher, Proactive Health Informatics, Indiana University Bloomington, USA

Sep 2022 - Present *Probing the Role of Technology in Pro-Choice Abortion Activism*
Advisors: Dr. Chia-Fang (Christina) Chung, Dr. Elizabeth Kaziunas, Dr. Katie Siek

Co-led a study investigating technological needs of pro-choice Indiana abortion activists. Designed cultural probe with participatory methods, and currently planning second study mapping the sociotechnical space of Indiana abortion activism via probe.

May 2022 - Present *Examining the Role of Reflective Technology Within Bereavement and Meaning-Making*
Advisor: Dr. Chia-Fang (Christina) Chung

Co-led a study investigating design opportunities for reflective systems to support bereaved individuals. Designed and conducted qualitative diary and interview study, and analyzed findings through the lens of constructivist grief therapies.

Sep 2021 - Present *Connecting Remote Families Through the Sharing of Cooking Experiences*
Advisors: Dr. Chia-Fang (Christina) Chung, Aswati Panicker

Continued previous REU project; assisted with finalizing probe design and provided design input during probe development. Currently planning field deployment.

May – July 2021 **REU Research Intern**, Proactive Health Informatics REU Site, Indiana University Bloomington, USA

Connecting Remote Families Through the Sharing of Cooking Experiences
Advisors: Dr. Chia-Fang (Christina) Chung, Aswati Panicker

Collaboratively designed a cultural probe investigating the digital sharing of cooking experiences between distanced family members. Conducted user research, iteratively designed probe, and conducted usability testing.

Jan – May 2021 **Undergraduate Research Assistant**, Undergraduate Research Opportunities in Computing (UROC), Indiana University Bloomington, USA

Influence of Conspiracy Theories on Human Information Interactions
Advisor: Dr. Devan Donaldson

Assisted with paper revisions and journal re-submission. Conducted literature review, wrote paper sections, and conducted data re-analysis.

PUBLICATIONS

Refereed Conference Posters

2023 "I Don't Need a Megaphone to Be Helpful": Probing the Role of Technology in Pro-Choice Abortion Activism

Conference on Computer-Supported Cooperative Work and Social Computing (CSCW)
DOI: 10.1145/3584931.3606980

Colin LeFevre, Aswati Panicker, Sitha Vallabhaneni, Nikhil Dinesh, Forum Modi, Katie Siek, and Chia-Fang Chung

2022 Cooking Stories: Connecting Remote Families Through the Sharing of Cooking Experiences

European Conference on Computer-Supported Cooperative Work (ECSCW)
DOI: 10.48340/ECSCW2022_P11

Forum Modi, Colin LeFevre, Nikhil Dinesh, Aswati Panicker, and Chia-Fang Chung

Refereed Journal Articles

2022 Records, trust, and misinformation: Using birtherism to understand the influence of conspiracy theories on human information interactions

Journal of the Association for Information Science and Technology
DOI: 10.1002/asi.24697

Devan Donaldson and Colin LeFevre

Lightly Reviewed Workshop Papers

2023 "A Safe Space to Think About Grief": Reflecting on Bereavement Through Video Games and Experiential Metaphor

Workgroup on Interactive Systems in Healthcare (WISH) Symposium, Conference on Human Factors in Computing Systems (CHI)

Colin LeFevre and Chia-Fang Chung

Articles Under Review

N/A New Understandings of Loss: Examining the Role of Reflective Technology Within Bereavement and Meaning-Making

Conference on Human Factors in Computing Systems (CHI) 2024 Papers

Colin LeFevre and Chia-Fang Chung

TEACHING EXPERIENCE

Spring 2022, Fall 2022, Spring 2023

Undergraduate Instructor, Department of Informatics, Indiana University Bloomington, USA

INFO-I 300 Introduction to Human Computer Interaction
Instructors of Record: Dr. Phil Jordan, Dr. Chia-Fang (Christina) Chung

Closely mentored groups of 10-15 students on user research, ideation, and prototyping. Created comprehensive set of tutorials on UX / UI prototyping software (Figma). Coordinated weekly instructional team meetings and led grader training.

HONORS & AWARDS

Indiana University Bloomington

2020 – Dec 2023 Luddy Scholar, Provost Scholar, & Luddy SICE Direct Admit

2020 – Dec 2023 Luddy School Dean's List

2022, 2023 Luddy Undergraduate Instructor Teaching Excellence Award

SERVICE

Indiana University Bloomington

2022 – Dec 2023 Student Representative, Informatics Undergraduate Curriculum Committee

ACM Conferences

2023 Student Volunteer (In-Person), Conference on Computer-Supported Cooperative Work and Social Computing (CSCW)

2023 External Reviewer, Posters (x1), Conference on Computer-Supported Cooperative Work and Social Computing (CSCW)

2023 Student Volunteer (In-Person), Conference on Human Factors in Computing Systems (CHI)

SKILLS

HCI Research

Interviews, Cultural Probes, Diary Studies, Ethnography, Participatory Design, Qualitative Coding, Thematic Analysis

UX Design

User Research, User Personas, Protoyping, Usability Testing, Affinity Mapping

Technical / Programming

Python, HTML, CSS, JavaScript, React Native, Arduino Prototyping

Tools

Google Workspace, Figma, Miro, Overleaf, Saturate, Taguette