HANDE BATAN

Personal Website ⬦ LinkedIn ⬦ GitHub ⬦ hande.batan@colorado.edu

EDUCATION

University of Colorado Boulder   *August 2021-May 2025(expected)*
Ph.D. in Information Science   GPA: 3.89
Advisor: Dr. Leysia Palen

University of Colorado Boulder   *January 2020-May 2021*
M.S. in Information Science   GPA: 3.80
Advisor: Dr. Leysia Palen

University of Colorado Boulder   *August 2015-May 2019*
B.S. in Business Analytics and Entrepreneurship & Strategy
Minor in Information Science

RESEARCH INTERESTS

Human-Computer Interaction, Computational Social Science, Public Health, Mis- and Disinformation, Vaccine Compliance, Vaccine Hesitancy

SKILLS

UX Skills	Ethnography for Design, Interviews, Surveys, Inductive Thematic Analysis, Content Analysis, Inductive Coding, Wireframing, Observation
Technical	Python, MySQL, Microsoft Excel, Alteryx, Tableau, R, HTML, CSS, P5.js

PUBLICATIONS

· Diamond L., **Batan H.**, Anderson J., Palen, L., The Polyvocality of Online COVID-19 Vaccine Narratives that Invoke Medical Racism 2022 Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI 2022) **Best Paper Honorable Mention**

· **Batan, H.**, Radpour, D., Kehlbacher, A., Klein-Seetharaman, J., & Paul, M. J. Natural vs. artificially sweet tweets: characterizing discussions of non-nutritive sweeteners on Twitter. 2021 Explainable AI in Healthcare and Medicine: Building a Culture of Transparency and Accountability, 179-185.

POSTERS

· **Batan, H.**, Radpour, D., Kehlbacher, A., Klein-Seetharaman, J., Paul, M.J., (2021) Natural vs. Artificially Sweet Tweets: Characterizing Discussions of Non-nutritive Sweeteners on Twitter. Association for the Advancement of Artificial Intelligence (AAAI). February 7-12 2020. New York, New York.

RESEARCH PROJECT

Vaccine Behavior Change   January 2022-Current

· Conducted over a dozen semi-structured interviews with people who once identified as; having anti-vaxx ideologies or being vaccine hesitant and are now pro-vaccine advocates.
· Evaluated the role of online community in behavior change, as well to identify specific information communication and framing that contributed to participant behavior change.

Vaccine Disinformation in Reproductive Health   May 2021-Current

· Analyzed Twitter data using mixed-methods to explain the spread of mis- and disinformation concerning women's health after receiving the COVID-19 vaccine. This paper is currently under revision.

Master's Project: Landscape of Twitter's Deception:
Bots and Automation   August 2020-May 2021

· Investigated the legal, technical, and business side of bots on Twitter. Acquired bots to analyze the behaviors and different features by collecting data using Twitter API. This research led to the discovery of the supply chain of the bot industry and the different features that they provided.

Detecting Content Change in Text Data   August 2019-December 2019

· Created a web interface that displayed a document with different color coding that would detect a change of semantic change in the document.
· Created a web interface that displayed labeled documents with color coding according to the similarities between sentences.

RESEARCH EXPERIENCE

Graduate Research Assistant   May 2021-December 2021
Advised by Dr.Leysia Palen

Graduate Research Assistant   May 2019-August 2020
Advised by Dr.Michael Paul

Research Assistant   August 2019-December 2019
Advised by Dr.Danielle Szafir

TEACHING EXPERIENCE

Instructor

INFO 1101 Computation in Society	Summer 2022
INFO 1701 Programming for Information Science 1	Summer 2023

Graduate Teaching Assistant

INFO 1701 Programming for Information Science 1	Spring & Fall 2023
INFO 1201 Computational Reasoning	Spring & Fall 2022
INFO 1101 Computation in Society	Spring 2021
CMCI 1010 Concepts and Creativity	Fall 2021
INFO 1201 Computational Reasoning	Spring 2020

ACADEMIC HONORS AND AWARDS

CRA-W Graduate Cohort for Women Workshop	April 2023

ACADEMIC SERVICES

Student Volunteer, ACM CSCW	October 2023
Graduate Student Vice President, Information Science	August 2022-May 2023
International Representative, Information Science	August 2021-May 2022