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., (2021) Natural vs. Artificially Sweet Tweets: Characterizing Discussions of Non-nutritive Sweeteners on Twitter. In: Shaban-Nejad A., Michalowski M., Buckeridge D.L. (eds) Explainable AI in Healthcare and Medicine. Studies in Computational Intelligence, vol 914. Springer, Cham. https://doi.org/10.1007/978-3-030-53352-6_16300

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. In: Shaban-Nejad A., Michalowski M., Buckeridge D.L. (eds) Explainable AI in Healthcare and Medicine. Studies in Computational Intelligence, vol 914. Springer, Cham. https://doi.org/10.1007/978-3-030-53352-6_16300

PROJECTS

Vaccine Disinformation in Reproductive Health January 2022 - 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.

Vaccine Hesitancy January 2022 -Current

· Conducted over a dozen interviews with ex-hesitant and ex-anti-vax individuals to understand the role of information and online platforms in their acceptance of vaccines.

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. Purchased bots to analyze the behaviors and different features by collecting data using Twitter API. This research lead to the discovery of the supply chain of the bot industry and the different features that they offer.

Detecting Content Change in Text Data Fall 2019

· Created a web interface that displayed labeled documents with color coding according to the similarities between sentences.

RESEARCH EXPERIENCE

Research Assistant May 2021-December 2021
COVID-19 Vaccine Narratives that Invoke Medical Racism

· Conducted research performing qualitative inductive thematic analysis on tweets about the COVID-19 vaccine that invoke medical racism

Research Assistant May 2021-December 2021
Perception of Natural vs. Artificially Sweet Tweets

· Conducted various qualitative methods to analyze tweets to understand the public perception of artificial sweeteners and detect misinformation.

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 1	Spring & Fall 2022
INFO 1101 Computation in Society	Spring 2021
CMCI 1010 Concepts and Creativity	Fall 2021
INFO 1201 Computational Reasoning 1	Spring 2020

GRANTS, HONORS AND PROFESSIONAL FELLOWSHIPS

CRA-W Graduate Cohort for Women Workshop April 2023

ACADEMIC SERVICES

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