

# HANDE BATAN

[Personal Website](#) ◇ [LinkedIn](#) ◇ [GitHub](#) ◇ [hande.batan@colorado.edu](mailto:hande.batan@colorado.edu)

## EDUCATION

---

<b>University of Colorado Boulder</b> Ph.D. in Information Science <i>Advisor: Dr. Leysia Palen</i>	<i>August 2021-May 2025(expected)</i> GPA: 3.89
<b>University of Colorado Boulder</b> M.S. in Information Science <i>Advisor: Dr. Leysia Palen</i>	<i>January 2020-May 2021</i> GPA: 3.80
<b>University of Colorado Boulder</b> B.S. in Business Analytics and Entrepreneurship & Strategy Minor in Information Science	<i>August 2015-May 2019</i>

## RESEARCH INTERESTS

---

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

## SKILLS

---

<b>UX Skills</b>	Ethnography for Design, Interviews, Surveys, Inductive Thematic Analysis, Content Analysis, Inductive Coding, Wireframing, Observation
<b>Technical</b>	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

---

<b>Vaccine Behavior Change</b>	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**

Advised by Dr. Leysia Palen

August 2021-December 2021

### **Graduate Research Assistant**

Advised by Dr. Michael Paul

May 2019-December 2019

### **Research Assistant**

Advised by Dr. Danielle Szafir

August 2019-December 2019

## 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