

NASTARAN JADIDI

EDUCATION

University of Utah

Aug 2023 -

Ph.D. in Human-Centered Computing

Utah

My primary research interest is in designing sociotechnical systems that support effective deliberation between institutional experts and affected communities. My work focuses on patient community participation in policy-making and on developing tools that enable more equitable interactions between communities and institutions. In addition, I lead multiple women's health projects aimed at creating practical tools that empower people to take greater control of their health.

- Supervisor: Dr. Vineet Pandey

Sharif University of Technology

Tehran, Iran

B.Sc. in Industrial Engineering

Thesis: The Impact of Machine Learning on Fashion Management. I examined how social media algorithms influence consumer decision-making in fashion and their potential for predicting industry trends.

- Supervisor: Dr. Majid Rafiee

RESEARCH INTERESTS

Policy-making Processes

Science and technology studies

Participatory design

Social Computing

WORK AND INTERNSHIP EXPERIENCES

Python instructor for beginners

June 2025 - July 2025

Salt Lake City, Utah

Served as instructor in a refugee camp summer program, teaching Python fundamentals and mentoring students through applied coding projects

Data Analyst and Digital Marketing Specialist at Mootanroo Company

March 2022 - Dec 2022

Tehran, Iran

Goal: Optimize business operations and drive growth for online retail through data-driven solutions and strategic marketing

Impact: Enhanced customer engagement via recommendation system, streamlined inventory operations, and informed strategic decisions through daily analytics reporting

How: Built Python-based recommendation and inventory systems, executed SQL queries for operational reporting, led marketing campaigns, and conducted statistical research on retail market

COURSE PROJECTS

- **Designing Digital Health Systems** Spring 2025
- Created a tracking system that monitors the relationship between menstrual cycles and digestive issues and conducted experiments to quantify its validity
- Presented project as a poster at Women's Health Symposium 2025 and won Best Poster Award

Critical Thinking in Visualization and HCI

Spring 2025

- Wrote an essay exploring the idea of ‘refusal’ as a strategy to reject data exploitation of corporations and build equitable digital alternatives

Visualization for Data Science

Fall 2024

- Created a dashboard with three visualizations analyzing US food import and export patterns across multiple datasets

Machine Learning

Spring 2024

- Built a predictive model to forecast court decisions using trial transcript data

Human Computer Interaction

Fall 2023

- Conducted research on the impact of positive and negative reinforcement features in exercise tracking apps and authored a paper on findings for the final project

Social Computing

Fall 2023

- Analyzed Twitter/X posts from a patient community to evaluate concerns regarding a specific clinical measurement

Human Factors

Fall 2021

- Authored and published a review article on cyber-physical systems applications

Operations Research

Spring 2019

- Developed and compared optimization models using GAMS and LINGO to identify optimal strategies for clothing factory profitability

Management Information Systems

Fall 2019

- Introduced and modeled Hospital Information System (HIS) using context diagrams, zero-level DFD, and BPMN2

Project Control

Spring 2020

- Developed comprehensive project plan for coffee shop setup including resource allocation and scheduling using Microsoft Project

TEACHING EXPERIENCES

Social Computing

Spring 2026

University of Utah

- Graded weekly assignments and course projects
- Participated in the design and refinement of assignments and project prompts
- Supported students’ learning by offering feedback

Designing Human-Centered Systems

Fall 2025

University of Utah

- Graded assignments and course projects, providing detailed and constructive feedback to students
- Contributed to the design and refinement of assignments and project prompts
- Supported student learning through feedback and clarification of evaluation criteria
- Coordinated with industry professionals, organized and hosted an industry panel, facilitating discussion between students and practitioners

- Participated in developing and implementing strategies to improve students' overall learning experience in the course

Designing Citizen-Science Systems

Spring 2024

University of Utah

- Graded weekly assignments and course projects
- Participated in the design and refinement of assignments and project prompts
- Supported students' learning by offering feedback

Motion and Time Study

Fall 2020

Sharif University of Technology

- Graded weekly assignments and course projects
- Organized and delivered project feedback sessions for students

PUBLICATIONS

Published Papers

- **Left to their own devices: How people with ALS use digital platforms as advocacy space**
Extended Abstract, ACM ASSETS, 2025
C. Atwell, N. Jadidi, V. Pandey
Examined how an online advocacy movement uses FDA platforms and social media to represent knowledge claims and participate in policy-making processes
- **Rhetoric and linguistic strategies in an online advocacy movement**
ACM CI, 2025
N. Jadidi, V. Pandey
Analyzed how an online advocacy movement leverages social media rhetoric to participate in health policy discussions
- **A Survey of Cyber-Physical Systems Applications (2017-2022)**
Springer, 2022
N. Jadidi, M. Varmazyar
Comprehensive review of cyber-physical systems and their applications in smart manufacturing

Papers in Preparation

- **Ways of Knowing when Pregnant: Personal, Embodied, and Technological Information Practices.**
N. Jadidi, M. Genetti, V. Pandey
- **Characterizing digital participation in healthcare regulatory processes by a terminal rare disorder community**
C. Atwell, N. Jadidi, V. Pandey

TALKS

Collective Intelligence 2025 Conference, San Diego, August 2025

I presented research contrasting traditional collective intelligence studies of formal groups with emergent, unstructured collective efforts on digital platforms.

Digital Humanities Utah, Salt Lake City, February 2024

I presented research analyzing how an online rare disorder community positions itself toward institutions, drawing on communication and linguistics to examine social media posts from a neuro-degenerative disorder community.

POSTER PRESENTATIONS

DELPHI data science initiative, November 2025

C. Atwell, N. Jadidi, V. Pandey

I Presented a research on digital advocacy strategies employed by communities with severe disabilities

CAPS Conference, Oregon State University, May 2025

N. Jadidi, V. Pandey

I presented a research on understanding how and why a patient community attempts to participate in policy-making processes using a digital platforms

Women's Health Symposium 2025, University of Utah, April 2025

C. Atwell, A. Khan, N. Jadidi, S. Kamaraj, V. Pandey

Along with colleagues, I presented a system that helped women understand and manage their health

CS/Humanities workshop, University of Utah, April 2025

C. Atwell, N. Jadidi, V. Pandey

I Presented a research on linguistic strategies employed by the ALS community on X/Twitter to engage with healthcare institutions

SKILLS

Language

- English (TOEFL:110/120), Persian(Native)

Programming Languages

- Python, SQL, JavaScript, HTML/CSS, Latex, C

Softwares

- Lingo, SPSS, SAS

HONOURS

Ranked 137th among 180,000 Students B.Sc. Entrance Exam in Mathematics (2017)

Received the best poster award based on attendee votes at the Innovations in Women's Health symposium, University of Utah (2025) - Our work examined gender differences in gastrointestinal issues and designed a tracking system that accounted for that

Received the best poster award at the poster competition at DELPHI data science initiative symposium, University of Utah (2025) - Our work examined how people with severe disabilities use digital tools to advocate for themselves