Priya Dhawka

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Research Interests

Human Computer Interaction: Visualization, Data Justice, Equity, Decision-Making.

Education

2023–   **University of Washington**, Seattle, WA
PhD in Human-Centered Design and Engineering

2021–2023   **University of Calgary**, Calgary, Canada
MSc in Computer Science
Thesis: *Demographically Diverse Anthropographics:*
Exploring Equitable Visual Representations of Diversity
Advisor: Dr. Wesley Willett

2015 – 2019   **Colgate University**, Hamilton, NY
BA in Computer Science

Publications

Refereed Conference and Journal Papers

[c.1]   **Priya Dhawka**, Helen Ai He and Wesley Willett. We are the Data: Challenges and Opportunities for Creating Demographically Diverse Anthropographics. *In Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems (CHI '23).* Hamburg, Germany. April 2023. [28.4% acceptance rate].

Workshop Papers and Posters

[w.4]   Noëlle Rakotondravony, **Priya Dhawka** and Melanie Bancilhon.Beyond English: Centering Multilingualism in Visualization. *In IEEE VIS 2023 Workshop on Visualization for Social Good.* Melbourne, Australia. October 2023.

[w.3]   **Priya Dhawka**, Helen Ai He and Wesley Willett. Representing Marginalized Populations: Challenges in Anthropographics. *In IEEE VIS 2022 Workshop on Visualization for Social Good.* Remote. October 2022.

[w.2]   KJ Ross, **Priya Dhawka** and Wesley Willett. People Count–Counting People: Centering the Un-counted and Misrepresented. *In CHI 2022 Human-Centered Data Science Workshop.* May 2022.

[w.1]   **Priya Dhawka**, Wesley Willett and Helen Ai He. Observations of Data Resistance: Challenges of Communicating Demographic Data at Private Institutions.*In IEEE VIS 2021 Human-Data Interaction Workshop.* Remote. October 2021.

THESES AND NON-REFEREED PAPERS

[n.1]   **Priya Dhawka**. Demographically Diverse Anthropographics: Exploring Equitable Visual Rep-resentations of Diversity. *University of Calgary Faculty of Graduate Studies.* Calgary, Canada. July 2023.

Research Experience

2021 – 2023   **Graduate Research Assistant,** University of Calgary
Equitable visualization approaches for representing demographic diversity in anthropographics.
Advisor: Dr. Wesley Willett

2018   **Summer Research Student,** Colgate University
Leveraging NLP techniques to detect allergens in restaurant menus.
Advisor: Dr. Joel Sommers

2016 – 2018   **Research Assistant,** New York Six Upstate Global Collective
Experiences of multilingual international students at English-speaking liberal arts institutions.

Awards & Honors

2023   Faculty of Science Graduate Teaching Award ($1500), University of Calgary
2022   Alberta Graduate Excellence Scholarship ($11,000), Province of Alberta
2022   Departmental Research Award ($11,000), University of Calgary
2021 – 2023   International Graduate Tuition Award ($3000/yr), University of Calgary
2019   Alumni Memorial Scholar ($6000), Colgate University
2018   Lampert Institute Research Fellowship ($4500), Colgate University
2017   New York Six Upstate Global Collective ($3600), New York Six Consortium

Service

2021   **Reviewing:** VIS 2023 (Vis4Good)
Student Volunteer: VIS 2022, CHI 2023, VIS 2023

2022 –2023   **Residence Services Community Ambassador**, University of Calgary

2017 – 2018   **South Asian Cultural Club & Hindu Students' Association President**, Colgate University

2016 – 2019   **Office of International Student Services Intern,** Colgate University

2016 – 2018   **Office of Residential Life Community Leader**, Colgate University

2015 – 2017   **Office of Admission and Financial Aid Intern**, Colgate University

Mentoring

2023–   **Lauren Perera**, UCalgary CS BS, working on generative text-to-image creation of demographically diverse anthropographics (in submission).

Work Experience

2019 – 2021   **Office of Equity and Diversity Data Analyst**, Colgate University
Created visualizations and EEO/AA reports of institutional demographic data on faculty recruitment and retention for decision-makers to implement equity-focused hiring policies.

Teaching Experience

2023   **Graduate Teaching Assistant: DATA 605**, University of Calgary
Designed assignments for Master of Data Science and Analytics program course, **DATA 605: Actionable Visualization and Analytics** on tools such as Tableau and PyData (Pandas, NumPy, Altair, etc) for 80 students

2022   **Graduate Teaching Assistant: CPSC 599.87**, University of Calgary
Evaluated assignments for **CPSC 599.87: Visualization and Analytics** on tools including Tableau, PyData (Pandas, NumPy, Altair, etc) and Gephi for 30 students.

2021   **Graduate Teaching Assistant: CPSC 583**, University of Calgary
Designed assignments for **CPSC 583: Introduction to Visualization** on tools such as Tableau, Jupyter, and Processing for 52 students.

2018 – 2019   **Teaching Assistant**, Colgate University
Taught tutorial sections for **COSC 101 & COSC 102: Introduction to Programming** in Java and Python averaging 50 students.

Skills

Technical: Python, JavaScript, Java, SQL, Latex, Ruby, Processing, C.
Other: Tableau, D3.js, Adobe Creative Suite, quantitative and qualitative research methods.

Last updated: September 25, 2023