

VAISHNAV KAMESWARAN

+1 (312) 659-8050 | vaikam@umich.edu | <https://bit.ly/2AXPfli>

Academic Positions

Postdoctoral Fellow

Nov 2023 - Present

Value-Centered Artificial Intelligence (VCAI) Initiative, University of Maryland, College Park, Maryland

PI's: Hal Daumé III, Katie Shilton, Vanessa Frias-Martinez & John Horty

Education

Ph.D. in Information

2017 - 2023

University of Michigan – School of Information, Ann Arbor, Michigan

Dissertation: Help Facilitates Accessibility: Understanding the Social & Technology-mediated Experiences of People with Visual Impairments in India

Committee: Sile O'Modhrain, Tiffany Veinot, Robin Brewer, Joyojeet Pal & Anhong Guo

Master of Science in Human-Computer Interaction

2013 - 2015

University of Michigan – School of Information, Ann Arbor, Michigan

Bachelor of Engineering in Computer Science

2006 - 2010

Visveswaraya Technological University, Bangalore, India

Awards and Funding

AWARDS

Predoctoral Fellowship, Rackham Graduate School – University of Michigan 2021 - 2022

Diversity and Inclusion Award, ACM Conference on Computer Supported Cooperative Work 2021

Best Paper Award, ACM Conference on Computer Supported Cooperative Work 2018

Best Paper Honorable Mention Award, ACM Conference on Computer-Human Interaction 2018

Academic Merit Scholarship, University of Michigan – School of Information 2013 - 2015

Best Outgoing Student, Ramaiah Institute of Technology 2010

RESEARCH GRANTS

\$6,000 Rackham International Research Award, University of Michigan - International Institute 2021

\$20,000 U-M Poverty Solutions Faculty Grant, University of Michigan (Grant Writer) 2020

\$8500 Shared Mobility Systems for Underserved Groups – REU Supp, NSF (Grant Writer) 2020

\$3500 U-M Ginsberg Center Faculty Engagement Grant, University of Michigan (Grant Writer) 2020

\$1500 Rackham Pre-Candidate Research Grant, University of Michigan 2019

\$1000 Rackham Travel Grant, University of Michigan 2017 - 2020

Publications

PEER-REVIEWED JOURNAL ARTICLES

J5. Marcy Antonio, Alicia Williamson, **Vaishnav Kameswaran**, Ashley Beals, Elizabeth Ankrah, Shannon Goulet, Ivy Wang, Grecia Macias, Jade James-Gist, Lindsay K Brown, Sage Davis, Srijanani (Jan) Pillai, Lorraine Buis, Tawanna Dillahunt, Tiffany C Veinot. (to appear in 2023). Targeting Patients' Cognitive Load for Telehealth Video Visits Through Student-Delivered Helping Sessions at a United States Federally Qualified Health Center: Equity-Focused, Mixed Methods Pilot Intervention Study. In *Journal of Medical Internet Research*. (JMIR 2023)

J4. **Vaishnav Kameswaran**, Vidhya Yellareddy, and Megh Marathe. (to appear in 2023). Advocacy as Access Work: How People with Visual Impairments Gain Access to Digital Banking in India. In *Proceedings of ACM Human-Computer Interaction*. (CSCW 2023)

J3. Maulishree Pandey, **Vaishnav Kameswaran**, Hrishikesh V. Rao, Sile O'Modhrain, and Steve Oney. 2021. Understanding Accessibility and Collaboration in Programming for People with Visual Impairments. In *Proceedings of ACM Human-Computer Interaction*. Interact. 5, CSCW1, Article 129 (April 2021), 30 pages.

J2. **Vaishnav Kameswaran** and Srihari Hulikal Muralidhar. 2019. Cash, Digital Payments and Accessibility: A Case Study from Metropolitan India. In *Proceedings of ACM Human-Computer Interaction*. Vol. 3, CSCW, Article 97 (November 2019), 23 pages.

J1. **Vaishnav Kameswaran**, Jatin Gupta, Joyojeet Pal, Sile O'Modhrain, Tiffany C. Veinot, Robin Brewer, Aakanksha Parameshwar, Vidhya Y, and Jacki O'Neill. 2018. 'We can go anywhere': Understanding Independence through a Case Study of Ride-hailing Use by People with Visual Impairments in metropolitan India. In *Proceedings of ACM Human-Computer Interaction*. Vol. 2, CSCW, Article 85 (November 2018), 24 pages. **Best Paper Award**

PEER-REVIEWED CONFERENCE PROCEEDINGS

C13. Divya Ramesh, **Vaishnav Kameswaran**, Ding Wang, Nithya Sambasivan. 2022. 'We cannot find fault with a friend': Perceptions of Algorithmic Accountability among Instant Loan App Users in India. In *Proceedings of the 2022 ACM Conference on Fairness, Accountability, and Transparency (FAccT '21)*. Association for Computing Machinery, New York, NY, USA.

C12. Tawanna R Dillahunt, Erica Poon, Samantha E Rasmussen, Juan F Maestre, John Osorio Torres, Patrick C Shih, **Vaishnav Kameswaran**, Mia Gallardo, Alice Bagley, Samuel LA Young. 2022. Trust, Reciprocity, and the Role of Timebanks as Intermediaries: Design Implications for Addressing Healthcare Transportation Barriers. In *Proceedings of the 2022 CHI Conference on Human Factors in Computing Systems (CHI '22)*. Association for Computing Machinery, New York, NY, USA.

- C11. Juan F. Maestre, Tawanna Dillahunt, Alec Andrew Theisz, Megan Furness, **Vaishnav Kameswaran**, Tiffany Veinot, and Patrick C. Shih. 2021. Examining Mobility Among People Living with HIV in Rural Areas. In *Proceedings of the 2021 CHI Conference on Human Factors in Computing Systems (CHI '21)*. Association for Computing Machinery, New York, NY, USA, Article 201, 1–17.
- C10. **Vaishnav Kameswaran**, Alexander Fiannaca, Melanie Kniesel, Amy Karlson, Ed Cutrell, Meredith Ringel Morris. 2020. Understanding In-Situ Use of Commonly Available Navigation Technologies by People with Visual Impairments. In *Proceedings of the 22nd International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS '20)*. Association for Computing Machinery, New York, NY, USA.
- C9. Robin N. Brewer and **Vaishnav Kameswaran**. 2019. Understanding Trust, Transportation, and Accessibility through Ridesharing. In *Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems (CHI '19)*. Association for Computing Machinery, New York, NY, USA, Paper 195, 1–11.
- C8. Robin N. Brewer and **Vaishnav Kameswaran**. 2018. Understanding the Power of Control in Autonomous Vehicles for People with Vision Impairment. In *Proceedings of the 20th International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS '18)*. Association for Computing Machinery, New York, NY, USA, 185–197.
- C7. **Vaishnav Kameswaran**, Lindsey Cameron, and Tawanna R. Dillahunt. 2018. Support for Social and Cultural Capital Development in Real-time Ridesharing Services. In *Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems (CHI '18)*. Association for Computing Machinery, New York, NY, USA, Paper 342, 1–12.
- C6. Tawanna R. Dillahunt, **Vaishnav Kameswaran**, Desiree McLain, Minnie Lester, Delores Orr, and Kentaro Toyama. 2018. Entrepreneurship and the Socio-Technical Chasm in a Lean Economy. In *Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems (CHI '18)*. Association for Computing Machinery, New York, NY, USA, Paper 240, 1–14. **Best Paper Honorable Mention Award**
- C5. Joyojeet Pal, Priyank Chandra, **Vaishnav Kameswaran**, Aakanksha Parameshwar, Sneha Joshi, and Aditya Johri. 2018. Digital Payment and Its Discontents: Street Shops and the Indian Government's Push for Cashless Transactions. In *Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems (CHI '18)*. Association for Computing Machinery, New York, NY, USA, Paper 229, 1–13.
- C4. Joyojeet Pal, Anjuli Dasika, Ahmad Hasan, Jackie Wolf, Nick Reid, **Vaishnav Kameswaran**, Purva Yardi, Allyson Mackay, Abram Wagner, Bhramar Mukherjee, Sucheta Joshi, Sujay Santra, and Priyamvada Pandey. 2017. Changing data practices for community health workers: Introducing digital data collection in West Bengal, India. In *Proceedings of the Ninth International Conference on Information and Communication Technologies and Development (ICTD '17)*. Association for Computing Machinery, New York, NY, USA, Article 17, 1–12.

C3. Joyojeet Pal, Anandhi Viswanathan, Priyank Chandra, Anisha Nazareth, **Vaishnav Kameswaran**, Hariharan Subramonyam, Aditya Johri, Mark S. Ackerman, and Sile O'Modhrain. 2017. Agency in Assistive Technology Adoption: Visual Impairment and Smartphone Use in Bangalore. In *Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems (CHI '17)*. Association for Computing Machinery, New York, NY, USA, 5929–5940.

C2. Tawanna R. Dillahunt, **Vaishnav Kameswaran**, Linfeng Li, and Tanya Rosenblat. 2017. Uncovering the Values and Constraints of Real-time Ridesharing for Low-resource Populations. In *Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems (CHI '17)*. Association for Computing Machinery, New York, NY, USA, 2757–2769.

C1. Jasmine Hentschel, Samyukta Manjayya Sherugar, Rui Zhou, **Vaishnav Kameswaran**, Rajesh Chandwani, and Neha Kumar. 2017. Rice Today, Roti Tomorrow: Diets and Diabetes in Urban Indian Households. In *Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems (CHI '17)*. Association for Computing Machinery, New York, NY, USA, 4069–4081.

BOOK CHAPTERS

B2. Maulishree Pandey, **Vaishnav Kameswaran**, Hrishikesh V. Rao, Sharvari Bondre, Sile O'Modhrain, and Steve Oney. 2023. UI Development Experiences of Programmers with Visual Impairments in Product Teams. In *Equity, Diversity, and Inclusion in Software Engineering (Forthcoming)*

B1. **Kameswaran V.** and Pal J. 2020. Ride-hailing as Accessible Transit. In *Disability and the Developing World*. Oxford University Press 2021

PEER-REVIEWED SHORT PAPERS

S2. **Vaishnav Kameswaran**, Shannon Fearday, Abir Viqar, Michelle Meade, Allyson Mackay, Pari Rajavelu, Vetri Natan, and Joyojeet Pal. 2016. Institutional Structures and Culture in Healthcare: A Comparative Case on Health Learning. In *Proceedings of the Eighth International Conference on Information and Communication Technologies and Development (ICTD '16)*. Association for Computing Machinery, New York, NY, USA, Article 45, 1–4.

S1. Megh Marathe, Priyank Chandra, **Vaishnav Kameswaran**, Tsuyoshi Kano, and Syed Ishtiaque Ahmed. 2016. In search of missing pieces: A re-examination of trends in ICTD research. In *Proceedings of the Eighth International Conference on Information and Communication Technologies and Development (ICTD '16)*. Association for Computing Machinery, New York, NY, USA, Article 60, 1–4.

LIGHTLY PEER-REVIEWED WORKSHOP PAPERS

W6. **Vaishnav Kameswaran**, Jerry Young, Nithya Sambasivan, Gaurav Aggarwal, Meredith Ringel Morris. AI for Accessibility: An Agenda for the Global South. 2023. In *ASSETS 2023 Workshop on A11y Futures*, New York City, NY.

W5. **Vaishnav Kameswaran**, Maulishree Pandey, Joshua Guberman, Hrishikesh Rao, Sile O'Modhrain. Experiences of mobility in the Global South: Lessons from People with Visual Impairments in India. 2019. In *CHI 2019 Workshop on Hacking Blind Navigation*, Glasgow, Scotland.

W4. **Vaishnav Kameswaran**, Megh Marathe, Priyank Chandra. 2018. Redefining the Landmark – Designing Navigation Tools for the Visually Impaired. In *CHI 2018 Workshop on HCI across Borders*, Montreal, Canada.

W3. **Vaishnav Kameswaran**, Megh Marathe, Priyank Chandra, Priyamvada Pandey, Joyojeet Pal. 2017. Usability in the field: Reflections from an HCI4D project in rural West Bengal. In *CHI 2017 Workshop on HCI across Borders*, Denver, CO.

W2. **Vaishnav Kameswaran** and Rohan Malpani. 2016. Empower me – An Alternate Take on Pervasiveness. In *CHI 2016 Workshop on Pervasive Play*, San Jose, CA.

W1. **Vaishnav Kameswaran**, Megh Marathe, Joyojeet Pal, Tawanna Dillahunt, Katherina Reinecke, Kentaro Toyama. 2016. Project Boost: Addressing the Socio in a Socio-Technical System to Improve Income-Earning opportunities in Detroit. In *CHI 2016 Workshop on HCI across Borders*, San Jose, CA.

Invited Talks

HCI and Accessibility Feb 2020
SI 710 - Methods for Underserved Populations, University of Michigan.

“We can go anywhere”: Ride-hailing for People with Visual Impairments in India Jun 2019
Global South Asia Conference, University of Michigan, Ann Arbor, Michigan.

Uber Accessibility: Examining Ride-hailing Use by People with Visual Impairments in India Jul 2018
Uber Technologies Inc.

Research Experience

Research Intern June 2021 - Aug 2021
Lookout & Google Research India, Google, Mountain View, California
Hosts: Gaurav Aggarwal and Nithya Sambasivan

Research Intern June 2019 - Sep 2019
Enable Group, Microsoft Research, Redmond, Washington
Hosts: Alex Fiannaca, Melanie Kniesel, Ed Cutrell, Meredith Ringel Morris

Visiting Research Intern June 2017 - Aug 2017
Technology for Emerging Markets Group, Microsoft Research, Bangalore, India
Host: Jacki O'Neill

Visiting Research Intern

June 2016 - Oct 2016

Technology for Emerging Markets Group, Microsoft Research, Bangalore, India

Host: Bill Thies

Research Assistant

May 2015 – June 2017

University of Michigan – School of Information, Ann Arbor, MI

Advisors: Joyojeet Pal, Tawanna Dillahunt, Kentaro Toyoma

Professional Experience

User Experience Design Intern

Sep 2014 – Dec 2014

Court Innovations, Ann Arbor, Michigan

User Experience Research Intern

May 2014 – Aug 2014

Quicken Loans, Detroit, Michigan

Software Developer

Sep 2010 – Aug 2013

Aditi Technologies, Bengaluru, India

Teaching

Graduate Student Instructor, **SI 582 - Fundamentals of Interaction Design**
University of Michigan

Fall 2022

Graduate Student Instructor, **SI 422 - Needs Assessment and Usability**
University of Michigan

Fall 2019

Graduate Student Instructor, **SI 682 - Advanced User Research Methods**
University of Michigan

Winter 2019

Graduate Student Instructor, **SI 582 - Fundamentals of Interaction Design**
University of Michigan

Fall 2018

Service

Associate Chair, CHI

2023

Reviewer, CHI

2018 - 2023

Reviewer, CSCW

2018 - 2023

Area Chair, CHI Late Breaking Work

2018 - 2020

Student Representative, UMSI Doctoral Executive Committee

2019 – 2020

Mentoring

Aakanksha Parameshwar, Master's Student
University of Michigan (*First Position: UX Researcher, Google*)

2017 - 2018

Josue Figueroa, Master's Student University of Michigan (<i>First Position: UX Researcher, Blink</i>)	2020 - 2022
Erica Poon, Undergraduate Student University of Michigan (<i>Current: Master's Student, University of Michigan</i>)	2020 - 2022
Kartik Joshi, Undergraduate Student Vellore Institute of Technology (<i>Current: Master's Student, IIIT - Bangalore</i>)	2020 - Present
Kunal Mehta, Masters Student Indian Institute of Management - Bangalore (<i>Current: Master's Student, University of Washington</i>)	2021 - Present