

VAISHNAV KAMESWARAN

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Education

- Ph.D. in Information** 2017 - Present
University of Michigan – School of Information, Ann Arbor, Michigan
Advisors: Sile O'Modhrain and Tiffany Veinot
Dissertation: Understanding and Improving the Experience of Software Updates for People with Visual Impairments
- 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
Ramaiah Institute of Technology, Bangalore, India

Awards and Funding

AWARDS

- Predocctoral Fellowship**, Rackham Graduate School – University of Michigan 2021 - 2022
- 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** NSF: Shared Mobility Systems to Address Transportation Barriers of Underserved Urban and Rural Communities – REU Supplement, National Science Foundation (Grant Writer) 2020
- \$3500** U-M Ginsberg Center Faculty Engagement Grant, University of Michigan - Ginsberg Center (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

- 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

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 Kniessel, 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 Manjappa 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

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

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

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 <i>SI 710 - Methods for Underserved Populations, University of Michigan.</i>	Feb 2020
“We can go anywhere”: Ride-hailing for People with Visual Impairments in India <i>Global South Asia Conference, University of Michigan, Ann Arbor, Michigan.</i>	Jun 2019
Uber Accessibility: Examining Ride-hailing Use by People with Visual Impairments in India <i>Uber Technologies Inc.</i>	Jul 2018

Research Experience

Research Intern <i>Lookout team, Google, Mountain View, California</i> Hosts: Gaurav Aggarwal and Nithya Sambasivan	June 2021 - Aug 2021
Research Intern <i>Enable Group, Microsoft Research, Redmond, Washington</i> Hosts: Alex Fiannaca, Melanie Kniesel, Ed Cutrell, Meredith Ringel Morris	June 2019 - Sep 2019
Visiting Research Intern <i>Technology for Emerging Markets Group, Microsoft Research, Bangalore, India</i> Host: Jacki O'Neill	June 2017 - Aug 2017

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

Jan 2015 – Apr 2015

Vayu Inc, Ann Arbor, Michigan

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 422 - Needs Assessment and Usability**

Fall 2019

University of Michigan

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

Winter 2019

University of Michigan

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

Fall 2018

University of Michigan

Service

Reviewer, CHI

2018 - 2020

Reviewer, CSCW

2018 - 2019

Area Chair, CHI Late Breaking Work

2019

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

2020 - Present

Erica Poon, Undergraduate Student,
University of Michigan

2020 - Present

Kartik Joshi, Undergraduate Student,
Vellore Institute of Technology

2020 - Present