

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	
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

Best Paper Award , <i>ACM Conference on Computer Supported Cooperative Work</i>	2018
Best Paper Honorable Mention Award , <i>ACM Conference on Computer-Human Interaction</i>	2018
Academic Merit Scholarship , <i>University of Michigan – School of Information</i>	2013 - 2015
Best Outgoing Student , <i>Ramaiah Institute of Technology</i>	2010

RESEARCH GRANTS

\$20,000 U-M Poverty Solutions Faculty Grant, <i>University of Michigan (Grant Writer)</i>	2020
\$8500 NSF: Shared Mobility Systems to Address Transportation Barriers of Underserved Urban and Rural Communities – REU Supplement, <i>National Science Foundation (Grant Writer)</i>	2020
\$3500 U-M Ginsberg Center Faculty Engagement Grant, <i>University of Michigan - Ginsberg Center (Grant Writer)</i>	2020
\$1500 Rackham Pre-Candidate Research Grant, <i>University of Michigan</i>	2019
\$1000 Rackham Travel Grant, <i>University of Michigan</i>	2017-2020

Publications

PEER-REVIEWED JOURNAL ARTICLES

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

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

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| 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

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| Research Intern
<i>Enable Group, Microsoft Research, Redmond, Washington</i>
Hosts: Alex Fiannaca, Melanie Kniessel, 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
<i>Technology for Emerging Markets Group, Microsoft Research, Bangalore, India</i>
Host: Bill Thies | June 2016 - Oct 2016 |
| Research Assistant
<i>University of Michigan – School of Information, Ann Arbor, MI</i>
Advisors: Joyojeet Pal, Tawanna Dillahunt, Kentaro Toyoma | May 2015 – June 2017 |

Professional Experience

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| User Experience Design Intern
<i>Vayu Inc, Ann Arbor, Michigan</i> | Jan 2015 – Apr 2015 |
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User Experience Design Intern Court Innovations, Ann Arbor, Michigan	Sep 2014 – Dec 2014
User Experience Research Intern Quicken Loans, Detroit, Michigan	May 2014 – Aug 2014
Software Developer Aditi Technologies, Bengaluru, India	Sep 2010 – Aug 2013

Teaching

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

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 (<i>First Position: UX Researcher, Google</i>)	2017 - 2018
Josue Figueroa, Master's Student, University of Michigan	2020 - Present