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

M.S.Ramaiah Institute of Technology, Bangalore, India

Funding and Awards

RESEARCH GRANTS

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

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

NSF: Shared Mobility Systems to Address Transportation Barriers of Underserved Urban and Rural Communities – REU Supplement **($8500**), *National Science Foundation (Grant Writer)* 2020

Rackham Pre-Candidate Research Grant **($1500**), *University of Michigan* 2019

Rackham Travel Grant **($1000**), University of Michigan 2017- 2020

AWARDS

Best Paper Award, *ACM Conference on Computer Supported Cooperative Work (ACM CSCW)* 2018
Honorable Mention Award, *ACM Conference on Computer-Human Interaction (ACM CHI)* 2018
University of Michigan Academic Scholarship, *University of Michigan – School of Information* 2013
M.S. Ramaiah Best Outgoing Student Award, *M.S.Ramaiah Institute of Technology* 2010

Publications

PEER-REVIEWED JOURNAL ARTICLES

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

J1. **Kameswaran V.**, Gupta J., Pal J., O'Modhrain S., Veinot T. C., Brewer R. N., Parameshwar A., Vidhya Y., and O'Neill, J. 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. **Kameswaran V.**, Fiannaca A., Kniesel M., Karlson A., Cutrell E., Ringel Morris M. 2020. Understanding In-Situ Use of Commonly Available NavigationTechnologies 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

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. **Kameswaran, V.**, Pandey, M., Guberman, J., Rao, H., O' Modhrain, S., Redefining the Landmark – Experiences of mobility in the Global South: Lessons from People with Visual Impairments in India, CHI 2019 (Glasgow, Scotland, May 2019), ACM *(Workshop on Hacking Blind Navigation)*

W4. **Kameswaran, V.**, Marathe, M., Chandra, P., Redefining the Landmark – Designing Navigation Tools for the Visually Impaired, CHI 2018 (Montreal, Canada, May 2018), ACM *(Workshop on HCI across Borders)*

W3. **Kameswaran, V.**, Marathe, M., Chandra, P., Pandey, P., Pal, J., Usability in the field: Reflections from an HCI4D project in rural West Bengal, CHI 2017 (Denver, CO, May 2017), ACM *(Workshop on HCI across Borders)*

W2. **Kameswaran, V.** and Malpani, R., Empower me – an alternate take on pervasiveness, CHI 2016 (San Jose, CA, May 2016), ACM *(Workshop on Pervasive Play)*

W1. **Kameswaran, V.**, Marathe, M., Pal, J. , Dillahunt, T., Reinecke, K., Toyama, K., Project Boost: Addressing the Socio in a Socio-Technical System to Improve Income-Earning opportunities in Detroit, CHI 2016 (San Jose, CA, May 2016), ACM *(Workshop on HCI across Borders)*

Invited Talks

"We can go anywhere": Ride-hailing for people with visual impairments in India,
Global South Asia Conference, *University of Michigan, Ann Arbor, Michigan* Jan 2019

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

HCI and Accessibility, Guest Lecture – Methods for Underserved Populations,
School of Information – University of Michigan Feb 2020

Research Experience

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 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, 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

Doctoral Executive Committee Student Representative — 2019 - 2020

Mentoring

Aakanksha Parameshwar, Master's Student, University of Michigan (UX Researcher, Google) — 2018 - 2019

Josue Figueroa, Master's Student, University of Michigan — 2020