Patrick A. Carrington

Curriculum Vitae

Carnegie Mellon University Human-Computer Interaction Institute 407 S. Craig Street, Room 201, Pittsburgh, PA 15213	ww.patrickcarringto pcarrington@cr Phone: (443) 472	nu.edu
ACADEMIC POSITIONS		
Assistant Professor, Human-Computer Interaction Institute Carnegie Mellon University	2019 – F Pittsburgh, Penns	
Postdoctoral Research Fellow, Human-Computer Interaction Institute Carnegie Mellon University, Supervisor: Jeffrey P. Bigham	2017 Pittsburgh, Penns	– 2019 sylvania
EDUCATION		
Ph.D., Human-Centered Computing University of Maryland, Baltimore County	Baltimore, Ma	2017 aryland
M.S., Human-Centered Computing University of Maryland, Baltimore County	Baltimore, Ma	2012 aryland
B.S., Information Systems [Cum Laude] University of Maryland, Baltimore County Information Systems Certificate: Web Development	Baltimore, Ma	2011 aryland
RESEARCH GRANTS AND GIFTS		
Google Collaboration: Al in the Accessible Kitchen Pl: Patrick Carrington	\$80,000	2023
NSF SCC IRG: Enabling Independent Mobility in People with Physical Disabilities Pl: Carol Menassa (U-Mich) Co-Pl: Patrick Carrington (CMU Pl)	\$260,000	2022
Mobility21 UTC: Bus on the Edge: Passengers Pl: Christoph Mertz, Co-Pl: Patrick Carrington	\$100,000	2022
NSF SCC-PG: Equitable New Mobility Pl: Sarah Fox, Co-Pls: Corey Harper, Nikolas Martelaro, Patrick Carrington, Jodi Forlizz	\$150,000 ri	2022
 USDOT Inclusive Design Challenge – Stage 1 PI: Nikolas Martelaro, Co-Pls: Patrick Carrington, Sarah Fox, Jodi Forlizzi 	\$300,000	2021
 Mobility21 UTC "Big Idea": Integrating Solutions to Enable the "Complete Trip" Pl: Stephen Smith, Co-Pls: Patrick Carrington, Artur Dubrawski, Srinivasa Narasimh Rubinstein, Robert Tamburo, Ji Zhang 	\$571,324 an, Jean Oh, Zacl	2021 hary B.
 Mobility21 UTC: Data Collection Systems to Support Community Driven Mobility Sept: Patrick Carrington, Co-Pls: Nikolas Martelaro, Sarah Fox, Jodi Forlizzi 	ervices \$100,000	2021
 Mobility21 UTC: Designing the Future of Transit Work Pl: Sarah Fox, Co-Pls: Nikolas Martelaro, Patrick Carrington, Jodi Forlizzi 	\$100,000	2021
 Microsoft Research Software Engineering Innovations Fund <i>Title:</i> Wheeltop Interaction: Full-Body Gesture Control for Power Wheelchair Users (Significant Writing Contribution with Kane, S.K. and Hurst, A.) 	\$25,000	2013

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Nokia Research, University Cooperation Funding

\$11,450 2013

HONORS AND AWARDS

Awards

•	ASSETS 2024: Best Student Paper	2024
•	DIS 2021: Best Paper Honorable Mention (Top 5%)	2021
•	CHI 2020: Best Paper Honorable Mention (Top 5%)	2020
•	CHI 2019: Best Paper Award (Top 1%)	2019
•	ASSETS 2018: Best Paper Honorable Mention (Top 5%)	2018
•	CHI 2014: Best Paper Honorable Mention (Top 5%)	2014

PUBLICATIONS

Peer-Reviewed Journal Articles

[J.1] Carrington, P., Chang, J-M., Chang, K., Hornback, C., Hurst, A., and Kane, S.K. (2016) The Gest-Rest Family: Exploring input possibilities for Wheelchair armrests. *ACM* Transactions on *Accessible Computing*. ACM.

Peer-Reviewed Conference Papers

- [C.29] Li, Y., Mollyn, V., Yuan, K., and Carrington, P. (2024). WheelPoser: Sparse-IMU Based Body Pose Estimation for Wheelchair Users. In Proceedings of the 26th International ACM SIGACCESS Conference on Computers and Accessibility (Article 8, 1–17) [Best Student Paper Award]
- [C.28] Hammad, N., Elavsky, F., Moharana, S., Chen, J., Lee, S., Carrington, P., Moritz, D., Hammer, J., and Harpstead, E. (2024). Exploring The Affordances of Game-Aware Streaming to Support Blind and Low Vision Viewers: A Design Probe Study. In Proceedings of the 26th International ACM SIGACCESS Conference on Computers and Accessibility (Article 16, 1–13.)
- [C.27] Li, F. M., Wang, A., Carrington, P., and Kane, S. K. (2024). A Recipe for Success? Exploring Strategies for Improving Non-Visual Access to Cooking Instructions. In Proceedings of the 26th International ACM SIGACCESS Conference on Computers and Accessibility. (Article 26, 1–15)
- [C.26] Moharana, S., Washington, G., Carrington, P., and Harrington, C. N. (2024). Towards Contextualizing Embodiment of Intelligent Systems. In Intelligent Systems Conference (pp. 109-116). Cham: Springer Nature Switzerland.
- [C.25] Jang, J., Moharana, S., Carrington, P. and Begel, A. (2024). "It's the only thing I can trust": Envisioning Large Language Model Use by Autistic Workers for Communication Assistance. In Proceedings of the CHI Conference on Human Factors in Computing Systems (pp. 1-18).
- [C.24] Li, F. M., Liu, M. X., Kane, S. K., and Carrington, P. (2024). A Contextual Inquiry of People with Vision Impairments in Cooking. In Proceedings of the CHI Conference on Human Factors in Computing Systems (pp. 1-14).
- [C.23] Pei, S., Chen, A., Chen, C., Li, F.M., Fozzard, M., Chi, H.Y., Weibel, N., Carrington, P. and Zhang, Y. (2023) Embodied Exploration: Facilitating Remote Accessibility Assessment for Wheelchair Users with Virtual Reality. In Proceedings of the 25th International ACM SIGACCESS Conference on Computers and Accessibility (pp. 1-17).
- [C.22] Li, F.M., Zhang, L., Bandukda, M., Stangl, A., Shinohara, K., Findlater, L. and Carrington, P. (2023) Understanding Visual Arts Experiences of Blind People. In Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems (pp. 1-21).
- [C.21] Li, Y., Li, F.M. and Carrington, P. (2023). Breaking the "Inescapable" Cycle of Pain: Supporting Wheelchair Users' Upper Extremity Health Awareness and Management with Tracking Technologies. In Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems (pp. 1-17).

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- [C.20] Li, F. M., Liu, M. X., Zhang, Y., Carrington, P. (2022). Freedom to Choose: Understanding Input Modality Preferences of People with Upper-body Motor Impairments for Activities of Daily Living. In Proceedings of the 24th International ACM SIGACCESS Conference on Computers and Accessibility (pp. 1-16).
- [C.19] Martelaro, N., Carrington, P., Fox, S., Forlizzi, J. (2022). Designing an Inclusive Mobile App for People with Disabilities to Independently Use Autonomous Vehicles. In Proceedings of the 14th International Conference on Automotive User Interfaces and Interactive Vehicular Applications (pp. 45-55).
- [C.18] Li, F.M., Spektor, F., Xia, M., Huh, M., Cederberg, P., Gong, Y., Shinohara, K. and Carrington, P. (2022) "It Feels Like Taking a Gamble": Exploring Perceptions, Practices, and Challenges of Using Makeup and Cosmetics for People with Visual Impairments. In CHI Conference on Human Factors in Computing Systems (pp. 1-15). ACM.
- [C.17] Li, F.M., Lu, C., Lu, Z., Carrington, P. and Truong, K.N. (2022) An Exploration of Captioning Practices and Challenges of Individual Content Creators on YouTube for People with Hearing Impairments. *Proc. ACM Human-Computer Interaction 6, CSCW1*, Article 75 (April 2022), 26 pages. https://doi.org/10.1145/3512922.
- [C.16] Khurana, R, Wang, A., Carrington, P. (2021) Beyond Adaptive Sports: Challenges & Opportunities to Improve Accessibility and Analytics. Proceedings of ACM SIGACCESS Conference on Computers and Accessibility (ASSETS 2021). ACM.
- [C.15] Li, F.M., Dorst, J., Cederberg, P., and Carrington, P. (2021) Non-Visual Cooking: Exploring Practices and Challenges of Meal Preparation by People with Visual Impairments. *Proceedings of ACM SIGACCESS Conference on Computers and Accessibility (ASSETS 2021)*. ACM.
- [C.14] Bennett, C.L., Ackerman, E., Fan, B., Bigham, J.P., Carrington, P., and Fox, S. (2021) Accessibility and The Crowded Sidewalk: Micromobility's Impact on Public Space. *Proceedings of the Designing Interactive Systems Conference (DIS 2021)*. ACM. [Best Paper Honorable Mention Top 5%]
- [C.13] Liu, X., Carrington, P., Chen, X., and Pavel, A. (2021) What Makes Videos Accessible to Blind and Visually Impaired People?. *Proceedings of ACM Conference on Human Factors in Computing (CHI 2021).* ACM.
- [C.12] Swaminathan, S., Yim, Y., Hudson, S.E., Bennett, C., Carrington, P. (2021) From Tactile to NavTile: Opportunities and Challenges for Multi-Modal Feedback in Guiding Surfaces during Non-Visual Navigation. *Proceedings of ACM Conference on Human Factors in Computing (CHI 2021).* ACM.
- [C.11] Gleason, C., Pavel, A., McCamey, E., Low, C., Carrington, P., Kitani, K., and Bigham, J.P. (2020) Twitter A11y:

 Making Images on Social Media Accessible. Proceedings of ACM Conference on Human Factors in Computing (CHI 2020). ACM. [Best Paper Honorable Mention Top 5%]
- [C.10] Gleason, C., Pavel, A., Liu, X., Carrington, P., Chilton, L., and Bigham, J.P. (2019) Making Memes Accessible. Proceedings of ACM SIGACCESS Conference on Computers and Accessibility (ASSETS 2019). ACM.
- [C.9] Gleason, C., Carrington, P., Cassidy, C., Morris, M.R., Kitani, K., and Bigham, J.P. (2019) "It's almost like they're trying to hide it": How User-Provided Image Descriptions Have Failed to Make Twitter Accessible. WWW 2019: The Web Conference.
- [C.8] Hofmann, M., Williams, K., Kaplan, T., Valencia, S., Han, G., Hudson, S.E., Mankoff, J., and Carrington, P. (2019) "Occupational Therapy is Making": Design Iteration and Digital Fabrication in Occupational Therapy. ACM Conference on Human Factors in Computing Systems (CHI 2019). ACM. [Best Paper Award Top 1%]
- [C.7] Carrington, P., Laput, G., and Bigham, J.P. (2018) Exploring Data Tracking and Sharing Preferences of Wheelchair Athletes. *Proceedings of ACM SIGACCESS Conference on Computers and Accessibility (ASSETS 2018).* ACM. [Best Paper Honorable Mention Top 5%]
- [C.6] Rosenblatt, L., Carrington, P., Hara, K., and Bigham, J.P. (2018) Vocal Programming for People with Upper-Body Motor Impairments. *Proceedings of Web for All (W4A 2018)*. ACM.
- [C.5] Carrington, P., Ketter, D., and Hurst, A. (2017) Understanding Fatigue and Stamina Management Opportunities and Challenges in Wheelchair Basketball. *Proceedings of ACM SIGACCESS Conference on Computers and Accessibility (ASSETS 2017).* ACM.

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- [C.4] Carrington, P., Chang, K., Mentis, H., and Hurst, A. (2015) "But, I don't take steps": Examining the inaccessibility of fitness trackers for wheelchair athletes. *Proceedings of ACM SIGACCESS Conference on Computers and Accessibility (ASSETS 2015)*. ACM.
- [C.3] Carrington, P., Hosmer, S., Yeh, T., Hurst, A., and Kane, S.K. (2015) "Like This, But Better": Supporting Novices' Design and Fabrication of 3D Models Using Existing Objects. *In Proceedings of iConference 2015.*
- [C.2] Carrington, P., Hurst, A., and Kane, S.K. (2014) The Gest-Rest: A Pressure-Sensitive Chairable Input Pad for Power Wheelchair Armrests. *In Proceedings of ACM SIGACCESS Conference on Computers and Accessibility (ASSETS 2014)*. ACM.
- [C.1] Carrington, P., Hurst, A., and Kane, S.K. (2014) Wearables and Chairables: Inclusive Design of Mobile Input and Output Techniques for Power Wheelchair Users. *In Proceedings of ACM Conference on Human Factors in Computing Systems (CHI 2014)*. ACM. [Best Paper Honorable Mention Top 5%]

Peer-Reviewed Conference Abstracts and Posters

- [P.4] Jang, J., Li, Y., & Carrington, P. (2022, October). "I Should Feel Like I'm In Control": Understanding Expectations, Concerns, and Motivations for the Use of Autonomous Navigation on Wheelchairs. In Proceedings of the 24th International ACM SIGACCESS Conference on Computers and Accessibility (pp. 1-5).
- [P.3] Low, C., McCamey, E., Gleason, C., Carrington, P., Bigham, J.P, and Pavel, A. (2019). Twitter A11y: A Browser Extension to Describe Images. In Proceedings of ACM SIGACCESS Conference on Computers and Accessibility (ASSETS 2019) p. 551-553. ACM.
- [P.2] Carrington, P., Hurst, A., and Kane, S. K. (2013). How Power Wheelchair Users Choose Computing Devices. In Proceedings of ACM SIGACCESS Conference on Computers and Accessibility (ASSETS 2013) p. 52. ACM.
- [P.1] Carrington, P., Kuber, R., Anthony, L., Hurst, A. and Prasad, S. (2012) Developing an Interface to Support Procedural Memory Training using a Participatory-Based Approach. *In Proceedings of BCS HCI 2012*.

Workshop Organization

- [WO.2] Branco, D., Carrington, P., Del Din, S., Doryab, A., Gjoreski, H., Guerreiro, T., McNaney, R., Montague, K., Pradhan, A., Rodrigues, A. and Vega, J., 2021, September. Wild by Design: Workshop on Designing Ubiquitous Health Monitoring Technologies for Challenging Environments. In Adjunct Proceedings of the 2021 ACM International Joint Conference on Pervasive and Ubiquitous Computing and Proceedings of the 2021 ACM International Symposium on Wearable Computers (pp. 508-510).
- [WO.1] Gleason, C., Carrington, P., Chilton, L. B., Gorman, B. M., Kacorri, H., Monroy-Hernández, A., ... & Wu, S. (2019, November). Addressing the Accessibility of Social Media. In Conference Companion Publication of the 2019 on Computer Supported Cooperative Work and Social Computing (pp. 474-479)..

Workshop Papers

- [W.4] Moharana, S., Carrington, P., Harrington, C. (2019) Inclusive Design of CUIs Across the Intersection of Race and Disability. ACM CHI 2023 Workshop. CUI@CHI: Inclusive Design of CUIs Across Modalities and Mobilities.
- [W.3] Swaminathan, S., Valencia, S., and Carrington, P. (2019) An Approach to Last Meter Problem: Designing and Deploying Low-Cost, Custom Fabricated Interactive Tactile Tiles for Navigation and Spatial Awareness. *CHI* 2019 Workshop on Hacking Blind Navigation.
- [W.2] Carrington, P., Hurst, A., Kane, S.K. (2014) Designing Chairables: Assistive Augmentations to Support Wheelchair Users. Workshop on Assistive Augmentation in Conjunction with CHI 2014.
- [W.1] Anthony, L., Carrington, P., Chu, P., Kidd, C., Lai, J., and Sears, A. (2011) Gesture Dynamics: Features Sensitive to Task Difficulty and Correlated with Physiological Sensors. *In Proceedings of ICMI MMCogEmS* 2011.

Doctoral Colloquia

[D.1] Carrington, P. (2014) Developing a Chairable Computing Platform to Support Power Wheelchair Users. ACM SIGACCESS Conference on Computers and Accessibility (ASSETS 2014).

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Editorial Reviewed Works

- [E.4] Carrington, P., Laput, G., & Bigham, J. P. (2020). SpokeSense: developing a real-time sensing platform for wheelchair sports. ACM SIGACCESS Accessibility and Computing, (124), Article 2.
- [E.3] Carrington, P., Bernart, E. (2019) Computer Science and Sports: the digital evolution of physical competition. *ACM XRDS*. 25, 4 (July 2019), p. 8-9.
- [E.2] Carrington, P. Bigham, J. P., & Carrington, P. (2018). Learning from the front: People with disabilities as early adopters of Al. *Proceedings of the 2018 HCIC Human-Computer Interaction Consortium*.
- [E.1] Kane, S.K., Hurst, A., Buehler, E., Carrington, P., Williams, M. (2014) Collaboratively Designing Assistive Technology. *ACM Interactions*. 21, 2 (March 2014), p. 78-81.

Non-Refereed Publications and Tech Reports

- [O.2] Principe Cruz, E., Kirabo, L., Carrington, P., & Hammer, J. (2021). Building Anti-Racist Futures at the CMU HCII: Recruiting BIPOC Graduate Students: Virtual Recruitment Event Design. (In press). BIPOC Literary Journal: The Colors We Carry.
- [O.1] Anthony, L., Carrington, P., Chu, P., Kidd, C., Lai, J., and Sears, A. (2011). Detecting Events of Interest with Physiological Sensors in a Real-World Email Search Task. *Technical Report UMBC-IS-TR-007*, 10 Oct 2011.

PRESS AND BLOG MENTIONS

- [1] Blazina, E. CMU team to examine autonomous vehicles for people with disabilities. Pittsburgh Post-Gazette, 2021. https://www.post-gazette.com/news/transportation/2021/01/11/Carnegie-Mellon-University-federal-Department-of-Transportation-300-000-grant-people-with-disabilities-autonomous-vehicles/stories/202101080091
- [2] Keppler, N. ChairJam Puts Spin on Hackathon Concept. cmu.edu, 2019. https://www.cmu.edu/news/stories/archives/2019/october/chairjam-spins-hackathon-concept.html
- [3] Harlan, K. HCII Team Tests Fitness Tracker for Wheelchair Athletes at NWBT. hcii.cmu.edu, 2018. http://hcii.cmu.edu/news/2018/hcii-team-tests-fitness-tracker-wheelchair-athletes-nwbt
- [4] Dubrow, A. Making the maker movement accessible. NSF.gov, 2015. https://www.nsf.gov/discoveries/disc summ.jsp?cntn id=135608
- [5] Dougherty, D. Joe Olsons diy-enabled wheelchair. Makezine Blog, 2014. http://makezine.com/ 2014/07/08/joe-olsons-diy-enabled-wheelchair/
- [6] Masterson, K. Launch pad. UMBC Magazine, Winter 2014. http://umbcmagazine.wordpress.com/umbc-magazine-winter-2014/launch-pad/

OTHER PRESENTATIONS AND POSTERS

Invited Talks

•	Choosing your Own Adventure: Enabling Accessible Experiences University of Colorado, Boulder Information Science Seminar Series	November 2023
•	Understanding Everyday Challenges to Create Accessible Experiences OurCS Virtual Diversity Conference Workshop	March 2023
•	Understanding Everyday Challenges to Create Accessible Experiences Workshop on Bridging Al and Disability	March 2023
•	Al in the Accessible Home AAAI Workshop on	February 2023

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Wearable AT and Logging NIDILRR RERC Meeting	November 2022
 An Accessibility Researcher's Origin Story PROMISE Seminar Series 	April 2022
 From Content to Intent: Designing Accessible UX on Social Media University of Pittsburgh, DBMI Seminar Series 	March 2022
 Designing Systems to Enable Accessible User Experiences uxWaterloo 	March 2022
Building Chairables: Designing Technologies for Accessibility and Engagement BostonCHI	May 2021
 Building Chairables: Designing Accessible Mobile Computing Experiences DUB Seminar Series, University of Washington 	March 2021
Building Chairables: Designing Technologies for Accessibility and Engagement Human-Computer Interaction Seminar Series, Stanford University	January 2021
 Building Chairables: Designing Accessible Mobile Computing Experiences MISC Seminar Series, University of Michigan 	November 2020
 Building Chairables for Sports Computer Science Seminar Series, James Madison University 	November 2019
 Chairable Computing: Designing Accessible Computing Experiences for Wheelch The iSchool Inclusion Institute (i3), University of Pittsburgh 	air Users June 2019
 Digital Access for People with Motor Impairments Digital Access Training: Universal Access Committee, Carnegie Mellon University 	February 2018
 Chairable Computing: Designing Mobile and Wearable Tech for Wheelchair Users Human-Computer Interaction Institute, Carnegie Mellon University 	May 2017
 Designing Accessible Interactive Systems for People with Mobility Impairments HCl Seminar at Rochester Institute of Technology 	November 2014
Invited Panels	
 HCI Today: Supporting Ability and Performance through Technology HCII 25th Panel: HCI Today 	October 2019
 What People with Disabilities Can Teach Us About Al HCIC 2018 Panel: Al and HCI, New Interaction Modalities 	June 2018

TEACHING

Instructor

•		022, Spring 2023, Fall 2023, Fall 2024
	Carnegie Mellon University, Human-Computer Interaction Institute	Fall 2024
•	05-499/899: Special Topics: Celebrating Accessibility Carnegie Mellon University, Human-Computer Interaction Institute	
•	05-499/899: Special Topics: Accessibility	Spring 2021, Fall 2021, Spring 2022
	Carnegie Mellon University, Human-Computer Interaction Institute	
•	05-430/630: Programming Usable Interfaces	Spring 2020, Fall 2021
	Carnegie Mellon University, Human-Computer Interaction Institute	

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• IS 101: Introduction to Computer Based Systems
University of Maryland, Baltimore County, Information Systems

Fall 2014, Spring 2015

Guest Lecturer

Inclusive Making, Instructor: Marcelo Worsley
 Northwestern University, Electrical Engineering and Computer Science

Spring 2019

• 05 499/899: Special Topics: Accessibility, Instructor: Jeffrey Bigham Carnegie Mellon University, Human-Computer Interaction Institute

Fall 2017

SUPERVISION

Doctoral Student Advising

- 2020-Present, Mingzhe Li, (Advisor)
- 2021-Present, Yunzhi Li (Advisor)
- 2021-Present, Frank Elavsky (Co-Advised with Dominik Moritz)
- 2022-Present, Joon Jang (Co-Advised with Andrew Begel)
- 2022-Present, Sanika Moharana (Co-Advised with Christina Harrington)
- 2024-Present, Ezra Awumey (Co-Advised with Jodi Forlizzi)
- 2024-Present, Doctoral Committee Member, Maggie Collier
- 2022-2024, Doctoral Committee Member, Tamanna Motahar (University of Utah)
- 2021-2022, Doctoral Committee Member, Reza Moradinezhad (Drexel University)
- 2021-2022, Doctoral Committee Member, Megan Hoffmann
- 2021-2022, Doctoral Committee Member, Kristin Williams
- 2019-2020, Doctoral Committee Member, Cole Gleason

Undergraduate/Graduate Research Mentoring

- 2024, Ashley Fong (University of California, Berkely, Summer 2024 REU)
- 2024, Areen Khalaila (Brandeis University, Summer 2024 REU)
- 2023, Ashley Wang (MS Thesis Advisor)
- 2022, Joon Jang
- 2021, Isabel Ngan (M.S. HCI)
- 2021, Juan Garza (Summer REU)
- 2021, Mei-Lian Vader (Summer REU)
- 2019, Simran Jobanputra (M.S. HCI)
- 2020, Bruce Liu
- 2020, Yellina Yim
- 2020, Nali Huynh
- 2020, Andrew Chuang
- 2019, Elena Deng
- 2018, Stephanie Wang, B.S. Statistics and ML, CMU, Summer 2018 REU
- 2018, Adrian Jenkins, B.S. Computer Science, Hampton University, Summer REU

ACADEMIC AND PROFESSIONAL SERVICE

Carnegie Mellon University

HCII Ph.D. Admissions Committee Co-Chair

2021-2025

HCII Diversity, Equity, and Inclusion Committee (BLM Subcommittee Chair)

2020-2021

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HCII Undergraduate Admissions Committee	2020
HCII Ph.D. Admissions Committee	2020
Accessibility Lunch Seminar (Co-Organizer)	2019-2024
Conference Program Committees	
CHI 2024, Papers Program Committee	2024
ASSETS 2024, Program Committee	2024
ASSETS 2023, Program Committee	2023
CHI 2023, Papers Program Committee	2023
ASSETS 2022, Program Committee	2022
ASSETS 2020, Program Committee	2020
CHI 2019, Papers Program Committee	2019
Pervasive Health 2019, Technical Program Committee	2019
ASSETS 2019, Program Committee	2019
ASSETS 2018, Program Committee	2018
CHI 2018, Papers Program Committee	2018
Pervasive Health 2018, Technical Program Committee	2018
Pervasive Health 2017, Technical Program Committee	2017
Mobile HCl 2017, Late Breaking Work Associate Chair	2017
ASSETS 2015, Program Committee	2015
Davidovidani	
Reviewing	
Reviewing Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT)	2021-2024
Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT)	2021-2024 2020-2022
Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT) International Web for All Conference (W4A)	2021-2024 2020-2022 2018-2024
Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT) International Web for All Conference (W4A) User Interface Software and Technologies (UIST)	2020-2022
Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT) International Web for All Conference (W4A)	2020-2022 2018-2024
Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT) International Web for All Conference (W4A) User Interface Software and Technologies (UIST) Transactions on Accessible Computing (TACCESS)	2020-2022 2018-2024 2018-2024
Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT) International Web for All Conference (W4A) User Interface Software and Technologies (UIST) Transactions on Accessible Computing (TACCESS) ACM Conference on Human Factors in Computing Systems (CHI)	2020-2022 2018-2024 2018-2024 2013-2024
Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT) International Web for All Conference (W4A) User Interface Software and Technologies (UIST) Transactions on Accessible Computing (TACCESS) ACM Conference on Human Factors in Computing Systems (CHI) Designing Interactive Systems (DIS)	2020-2022 2018-2024 2018-2024 2013-2024 2018
Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT) International Web for All Conference (W4A) User Interface Software and Technologies (UIST) Transactions on Accessible Computing (TACCESS) ACM Conference on Human Factors in Computing Systems (CHI) Designing Interactive Systems (DIS) International Symposium on Wearable Computing (ISWC)	2020-2022 2018-2024 2018-2024 2013-2024 2018 2017
Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT) International Web for All Conference (W4A) User Interface Software and Technologies (UIST) Transactions on Accessible Computing (TACCESS) ACM Conference on Human Factors in Computing Systems (CHI) Designing Interactive Systems (DIS) International Symposium on Wearable Computing (ISWC) International Journal of Human-Computer Studies (IJHCS)	2020-2022 2018-2024 2018-2024 2013-2024 2018 2017 2016-2017
Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT) International Web for All Conference (W4A) User Interface Software and Technologies (UIST) Transactions on Accessible Computing (TACCESS) ACM Conference on Human Factors in Computing Systems (CHI) Designing Interactive Systems (DIS) International Symposium on Wearable Computing (ISWC) International Journal of Human-Computer Studies (IJHCS) SIGACCESS Conference on Accessible Computing (ASSETS) Posters	2020-2022 2018-2024 2018-2024 2013-2024 2018 2017 2016-2017
Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT) International Web for All Conference (W4A) User Interface Software and Technologies (UIST) Transactions on Accessible Computing (TACCESS) ACM Conference on Human Factors in Computing Systems (CHI) Designing Interactive Systems (DIS) International Symposium on Wearable Computing (ISWC) International Journal of Human-Computer Studies (IJHCS) SIGACCESS Conference on Accessible Computing (ASSETS) Posters Conference Organizing Committees	2020-2022 2018-2024 2018-2024 2013-2024 2018 2017 2016-2017 2015
Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT) International Web for All Conference (W4A) User Interface Software and Technologies (UIST) Transactions on Accessible Computing (TACCESS) ACM Conference on Human Factors in Computing Systems (CHI) Designing Interactive Systems (DIS) International Symposium on Wearable Computing (ISWC) International Journal of Human-Computer Studies (IJHCS) SIGACCESS Conference on Accessible Computing (ASSETS) Posters Conference Organizing Committees ASSETS 2023, Doctoral Consortium Co-Chair	2020-2022 2018-2024 2018-2024 2013-2024 2018 2017 2016-2017 2015
Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT) International Web for All Conference (W4A) User Interface Software and Technologies (UIST) Transactions on Accessible Computing (TACCESS) ACM Conference on Human Factors in Computing Systems (CHI) Designing Interactive Systems (DIS) International Symposium on Wearable Computing (ISWC) International Journal of Human-Computer Studies (IJHCS) SIGACCESS Conference on Accessible Computing (ASSETS) Posters Conference Organizing Committees ASSETS 2023, Doctoral Consortium Co-Chair ASSETS 2021, Doctoral Consortium Co-Chair	2020-2022 2018-2024 2018-2024 2013-2024 2018 2017 2016-2017 2015
Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT) International Web for All Conference (W4A) User Interface Software and Technologies (UIST) Transactions on Accessible Computing (TACCESS) ACM Conference on Human Factors in Computing Systems (CHI) Designing Interactive Systems (DIS) International Symposium on Wearable Computing (ISWC) International Journal of Human-Computer Studies (IJHCS) SIGACCESS Conference on Accessible Computing (ASSETS) Posters Conference Organizing Committees ASSETS 2023, Doctoral Consortium Co-Chair ASSETS 2021, Doctoral Consortium Co-Chair Human-Computer Interaction Consortium (HCIC) 2021, Co-Chair	2020-2022 2018-2024 2018-2024 2013-2024 2018 2017 2016-2017 2015
Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT) International Web for All Conference (W4A) User Interface Software and Technologies (UIST) Transactions on Accessible Computing (TACCESS) ACM Conference on Human Factors in Computing Systems (CHI) Designing Interactive Systems (DIS) International Symposium on Wearable Computing (ISWC) International Journal of Human-Computer Studies (IJHCS) SIGACCESS Conference on Accessible Computing (ASSETS) Posters Conference Organizing Committees ASSETS 2023, Doctoral Consortium Co-Chair ASSETS 2021, Doctoral Consortium Co-Chair Human-Computer Interaction Consortium (HCIC) 2021, Co-Chair UIST 2019, Diversity Chair	2020-2022 2018-2024 2018-2024 2013-2024 2018 2017 2016-2017 2015 2023 2021 2021 2019
Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT) International Web for All Conference (W4A) User Interface Software and Technologies (UIST) Transactions on Accessible Computing (TACCESS) ACM Conference on Human Factors in Computing Systems (CHI) Designing Interactive Systems (DIS) International Symposium on Wearable Computing (ISWC) International Journal of Human-Computer Studies (IJHCS) SIGACCESS Conference on Accessible Computing (ASSETS) Posters Conference Organizing Committees ASSETS 2023, Doctoral Consortium Co-Chair ASSETS 2021, Doctoral Consortium Co-Chair Human-Computer Interaction Consortium (HCIC) 2021, Co-Chair UIST 2019, Diversity Chair ACM Collective Intelligence 2019, Accessibility Chair	2020-2022 2018-2024 2018-2024 2013-2024 2018 2017 2016-2017 2015 2023 2021 2021 2019 2019
Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT) International Web for All Conference (W4A) User Interface Software and Technologies (UIST) Transactions on Accessible Computing (TACCESS) ACM Conference on Human Factors in Computing Systems (CHI) Designing Interactive Systems (DIS) International Symposium on Wearable Computing (ISWC) International Journal of Human-Computer Studies (IJHCS) SIGACCESS Conference on Accessible Computing (ASSETS) Posters Conference Organizing Committees ASSETS 2023, Doctoral Consortium Co-Chair ASSETS 2021, Doctoral Consortium Co-Chair Human-Computer Interaction Consortium (HCIC) 2021, Co-Chair UIST 2019, Diversity Chair ACM Collective Intelligence 2019, Accessibility Chair ASSETS 2019, Local Arrangements Chair	2020-2022 2018-2024 2018-2024 2013-2024 2018 2017 2016-2017 2015 2023 2021 2021 2019 2019 2019

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Patrick A. Carrington | Curriculum Vitae

2017

Conference Student Volunteering

Comercine Student Volunteering	
ACM Conference on Human Factors in Computing Systems (CHI)	2013-2016
Computer Supported Cooperative Work (CSCW)	2014-2015
International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp)	2014
User Interface Software and Technologies (UIST)	2012
Other Service	
ACM XRDS Magazine, Guest Editor	2019
ACM ASSETS, Session Chair	2017-2018
UMES Regional Research Symposium, Invited Moderator	2017
COMMUNITY SERVICE AND OUTREACH	
PROMISE AGEP: Summer Success Institute, Panelist	Aug 2020
CampBioE @ University of Pittsburgh "STEM Careers", Panelist	Aug 2018
National Wheelchair Basketball Tournament, Operations Committee	2016-2018

UMBC 50th Anniversary Celebration PAD Lab Maker Exhibit (2,000 attendees), Exhibitor 2016

Maryland Celebration of the 26th Anniversary of the ADA (300 attendees), Exhibitor 2016

UMBC Exhibit at Mini-MakerFaire, Organizer Sep 2013

Maryland Science Center Gadgets and Gears Day (800 attendees), Exhibitor

NSF LSAMP Bridge to Doctorate Program, Peer Mentor 2013-2017

IS Dept. Ph.D. Day "How to be a Successful Ph.D. Student", Panelist Feb 201

AFFILIATIONS AND MEMBERSHIP

Healthcare Information and Management Systems Society (HIMSS)	2017
ACM Special Interest Group for Computer-Human Interaction (SIGCHI)	2013
ACM's Special Interest Group on Accessible Computing (SIGACCESS)	2012
Association for Computing Machinery (ACM)	2011
Golden Key Honors Society: UMBC Chapter	2010

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