

Education

2016 - Present

Ph.D. Human-Computer Interaction. **Advisor:** Jacob O. Wobbrock
University of Washington, Information School

2014 - 2016



M.S. Human-Centered Computing. **Advisor:** Amy Hurst
University of Maryland Baltimore County

2010 - 2014

B.S. Information Systems with a Certificate in Web Development
University of Maryland Baltimore County


Publications

Peer-Reviewed Conference Papers

- [C.7] Aqueasha Martin-Hammond, Foad Hamidi, Tajas Bhalerao, Christian Ortega, Abdullah Ali, Catherine Hornback, Casey Means, Amy Hurst. "Designing an Adaptive Web Navigation Interface for Users with Variable Pointing Performance". **W4A 2018.**
- [C.6] Meredith Ringel Morris, Adam Fourney, **Abdullah Ali**, Laura Vonessen. "Understanding the Needs of Searchers with Dyslexia". **ACM CHI 2018**
- [C.5] Luz Rello, Miguel Ballesteros, **Abdullah Ali**, Miquel Serra, D Alarcón, Jeffrey P Bigham "Dyetective: Diagnosing risk of dyslexia with a game". **Pervasive Health 2016**
- [C.4] Luz Rello; Kristin Williams; **Abdullah Ali**; Nancy Cushen; Jeffrey P. Bigham. "Towards a Multilingual Dyslexia Detection using Online Games (Communication paper)" **W4A 2016**
- [C.3] **Ali, Abdullah**; Kuber, Ravi; Aviv, Adam J. "Developing and Evaluating a Gestural and Tactile Mobile Interface to Support User Authentication". **iConference 2016.**
- [C.2]  Buehler, E., Branham, S., **Ali, A.**, Chang, J., Hofmann, M., Hurst, A., and Kane, S.K. (2015). "Sharing is Caring: Assistive Technology Designs on Thingiverse." **ACM CHI 2015 (Best paper award top 1%)**
- [C.1]  Martin-Hammond, A., **Ali, A.**, Hornback, C., Hurst, A. (2015). "Understanding Design Considerations for Adaptive User Interfaces for Accessible Pointing with Older and Younger Adults" **W4A 2015 (Best paper nomination)**

Peer-Reviewed Conference Notes




- [N.7] Adam Fourney, Meredith Ringel Morris, **Abdullah Ali** and Laura Vonessen. Assessing the Readability of Web Search Results for Searchers with Dyslexia. **SIGIR 2018.**
- [N.6] Luz Rello, Enrique Romero, Maria Rauschenberger, **Abdullah Ali**, Kristin Williams, Jeffrey P. Bigham, Nancy Cushen White. "Screening Dyslexia for English Using HCI Measures and Machine Learning". **ACM Digital Health 2018**

- [N.5] Aqueasha Martin-Hammond, Foad Hamidi, Tejas Bhalerao, **Abdullah Ali**, Catherine Hornback, Casey Means, Amy Hurst. The Participatory Design of an Adaptive Interface to Support Users with Changing Pointing Ability. **ACM ASSETS 2017**.
- [N.4] Martin-Hammond, A., **Ali, A.**, Means, C., Hornback, C., Hurst, A. Supporting Awareness of Pointing Behavior among Diverse Groups. **Pervasive Health 2016**
- [N.3] **Abdullah Ali** (2015) "Sequential Gestural Passcodes on Google Glass" **ACM ASSETS 2015 Student Research Competition**
- [N.2]  Rello, L., **Ali, A.**, Bigham, J.P., "Dyetective: Toward a Game to Detect Dyslexia" **ACM ASSETS 2015 (Best demo award)**
- [N.1] **Abdullah Ali**, Ravi Kuber, Adam J. Aviv. (2015) "H4Plock: Supporting Mobile User Authentication through Gestural Input and Tactile Output" **The Symposium on Usable Privacy and Security 2015**

Doctoral Consortium

- [DC.2] **Ali, A.** The Crowd: Participant and Researcher. Utilizing Online Crowds to Run and Analyze Elicitation Studies. **DUB Group 2018**.
- [DC.1] **Ali, A.** Crowdlicit: Towards a Platform for Crowd-Based Design. **AAAI HCOMP 2017**.

Presentations

- [P.12] **2018** The Crowd: Participant and Researcher. Utilizing Online Crowds to Run and Analyze Elicitation Studies. DUB Group 2nd Doctoral Colloquium. Seattle, WA.
- [P.11] **2018** From the Lab to the Crowd: Scaling End-User Elicitation Studies for Crowd-Based Design – UW iSchool Research fair
- [P.10] **2017** Crowdlicit: A Platform for Crowd-Based Elicitation Studies. HCOMP Doctoral Consortium Quebec City
- [P.9] **2017** Research Projects from the Mobile + Accessible Design Lab. Presentation to the Chief Accessibility Officer of Microsoft Corporation and the Chief Scientist of Microsoft Research. Redmond, WA
- [P.8] **2017** From the Lab to the Crowd: Scaling End-User Elicitation Studies for Crowd-Based Design – UW iSchool Research fair
- [P.7] **2016** Dyetective: A Game for Detecting Dyslexia. UMBC Graduate Research Conference
- [P.6]  **2016** Dyetective: A Game for Detecting Dyslexia. 7th place at International AI & Robotics for good competition
- [P.5]  **2015** Dyetective: A Game for Detecting Dyslexia. ACM ASSETS 2015 demos
- [P.4]  **2015** Understanding Design Considerations for Adaptive User Interfaces for Accessible Pointing with Older and Younger Adults. W4A conference delegates award demo
- [P.3] **2015** Notification Design Preferences for an Adaptive Pointing User Interface. Graduate Research Conference at UMBC
- [P.2] **2014** Adaptive User Interfaces. Undergraduate Research and Creative Achievement Day at UMBC
- [P.1] **2014** Adaptive User Interfaces. Information Systems Research Poster Contest at UMBC








Research Experience

[R.4]	9/2016 – Present	Researcher	Mobile & Accessible Design (MAD) Lab at UW iSchool
[R.3]	6/2017 – 9/2017	Research Intern	Microsoft Research Redmond
[R.2]	6/2015 - 2/2016	Visiting Researcher	The Big Lab in HCII at Carnegie Mellon University
[R.1]	1/2014 - 8/2016	Research Assistant	The Prototyping and Design (PAD) lab at UMBC

Teaching Experience

[T.7]	1/2018 - 3/2018	Teaching Assistant	INFO 360 Design Thinking
[T.6]	9/2017 - 12/2017	Instructor	INFO 360 Design Thinking
[T.5]	3/2017 - 6/2017	Teaching Assistant	INFO 360 Design Thinking
[T.4]	1/2017 - 3/2017	Teaching Assistant	INFO 360 Design Thinking
[T.3]	9/2016 - 12/2016	Teaching Assistant	INFO 360 Design Thinking
[T.2]	2/2016 - 5/2016	Teaching Assistant	IS498 3D Printing workshop. UMBC
[T.1]	4/2015	Guest lecturer	IS101 Lecture on Web technologies and development. UMBC

Awards

[A.7]		2017	Microsoft Research Support for Crowdlicit Project: \$1000
[A.6]		2016	UAE AI and Robotics for good Competition: Semi-Finalist (7th out of 664 international submissions)
[A.5]		2015	ASSETS 2015: Best demo award
[A.4]		2015	CHI 2015: Best paper award
[A.3]		2015	W4A: Best paper nomination
[A.2]		2015	UMBC Graduate Student Association Research and Travel Grants
[A.1]		2014-2016	National Science Foundation LSAMP Bridge to the Doctorate Fellowship

Mentoring

[M.2]	2016- present	Erin McAweeney. MSIM. Information School. University of Washington
[M.1]	9 -12/2017	Mingrui Zhang, Ph.D. Information School. University of Washington

Press and Blog Mentions

[PR.4]	11/31/2015	Find out if you are at risk of dyslexia in 15 minutes http://elpais.com/elpais/2015/12/30/ciencia/1451479191_791338.html?id_externo_rsoc=FB_CM
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- [PR.4] **11/12/2015** CMU Researchers Earn Honors at ASSETS
<http://hcii.cmu.edu/news/2015/cmu-researchers-earn-honors-assets>
- [PR.3] **10/08/2015** Change Dyslexia: Early Detection and Intervention At large Scale
<http://research.microsoft.com/apps/video/default.aspx?id=257604>
- [PR.2] **9/22/2015** Motorized Longboard project at the Baltimore Hackathon.
http://technical.ly/baltimore/2015/09/22/7-prizewinners-baltimore-hackathon/?utm_content=buffer1878e&utm_medium=social&utm_source=facebook.com&utm_campaign=
- [PR.1] **9/17/2015** Change Dyslexia and the Dyetective project on the news in Spain.
<https://www.youtube.com/watch?v=z-nYkylqxmo>

Service and Volunteering

- [v.9] 6/2017 – present UW iSchool social chair
- [v.8] 2017 MobileHCI LBW reviewer
- [v.7] 2017 ASSETS Organizing Committee - Graphics Chair
- [v.6] 9-6/2017 UW iSchool social committee
- [v.5] 6/2016 ASSETS - secondary reviewer (Full papers and posters)
- [v.4] 5/2016 UIST - secondary reviewer
- [v.3] 2-5/2016 UMBC HCIS graduate organization - Communications officer
- [v.2] 2/2015 CHI Work in Progress - Secondary reviewer
- [v.1] 9-12/2014 Arbutus Senior Center - Technology Instructor

Research Exhibits

- [RE.4] 06/08/2014 Mini Maker Fair Washington D.C - Exhibitor (3,000 attendees)
- [RE.3] 05/31/2014 Baltimore Innovation Expo - Exhibitor (200 attendees)
- [RE.2] 04/27/2014 US Science and Engineering Festival - Exhibitor (200,000 attendees)
- [RE.1] 04/12/2014 Baltimore RobotFest - Exhibitor (1,500 attendees)

Affiliations and Memberships

- [AM.4] Association for Computing Machinery (ACM)
- [AM.3] ACM's Special Interest Group on Accessible Computing
- [AM.2] ACM Special Interest Group on Artificial Intelligence
- [AM.1] UAW Local 4121

Tool box

Wireframing	Persona creation
Storyboarding	Participatory study design
Video editing	Survey design
Video prototyping	Photoshop/Illustrator/ Experience Designer
A-B testing	HTML, CSS, JavaScript
R (data analysis)	PHP, MySQL

Abdullah Ali

JAVA

Wordpress

Chrome development (extensions/ apps)

Android development (wearable/ mobile)

3D modeling

3D printing

Rapid Prototyping

Native Arabic Speaker

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