

Abdullah Ali

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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.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.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.1] **Ali, A.** Crowdlicit: Towards a Platform for Crowd-Based Design. **AAAI HCOMP 2017.**

Presentations

- [P.8] **2016** 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

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|-------|------------------|----------------------------|--|
| [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

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

Awards

- [A.5]  2016 **UAE AI and Robotics for good Competition:** Semi-Finalist (7th out of 664 international submissions)
- [A.4]  2015 **ASSETS 2015:** Best demo award
- [A.3]  2015 **CHI 2015:** Best paper award
- [A.2]  2015 **W4A:** Best paper nomination
- [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
- [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=buffer
- [PR.1] **9/17/2015** Change Dyslexia and the Dyetective project on the news in Spain.
<https://www.youtube.com/watch?v=z-nYkylqxm0>

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	HTML, CSS, JavaScript
Storyboarding	PHP, MySQL
Video editing	JAVA
Video prototyping	Wordpress
A-B testing	Chrome development (extensions/ apps)
R (data analysis)	Android development (wearable/ mobile)
Persona creation	3D modeling
Participatory study design	3D printing
Survey design	Rapid Prototyping
Photoshop/Illustrator/ Experience Designer	Native Arabic Speaker