

Abdullah Ali

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Education

2020 (expected)

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

Graduated 2016

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

Graduated 2014

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

Publications

Peer-reviewed Conference Papers

- [C.1] Luz Rello; Kristin Williams; **Abdullah Ali**; Nancy Cushen; Jeffrey P. Bigham. "Towards a Multilingual Dyslexia Detection using Online Games (Communication paper)" **W4A 2016**
- [C.2] 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.3] **Ali, Abdullah**; Kuber, Ravi; Aviv, Adam J. "Developing and Evaluating a Gestural and Tactile Mobile Interface to Support User Authentication". **iConference 2016**.
- [C.4] 🏆 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.5] 🏆 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.1] Martin-Hammond, A., **Ali, A.**, Means, C., Hornback, C., Hurst, A. Supporting Awareness of Pointing Behavior among Diverse Groups. **Pervasive Health 2016**
- [N.2] **Abdullah Ali** (2015) "Sequential Gestural Passcodes on Google Glass" **ACM ASSETS 2015 (Student Research Competition)**
- [N.3] 🏆 Rello, L., **Ali, A.**, Bigham, J.P., "Dyetective: Toward a Game to Detect Dyslexia" **ACM ASSETS 2015 (Best demo award)**
- [N.4] **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**

Presentations

- [P.1] **2016** Dyetective: A Game for Detecting Dyslexia - UMBC Graduate Research Conference
- [P.2] 🏆 **2016** Dyetective: A Game for Detecting Dyslexia - International AI & Robotics for good competition
- [P.3] 🏆 **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.5] **2015** Notification Design Preferences for an Adaptive Pointing User Interface - Graduate Research Conference at UMBC
- [P.6] **2014** Adaptive User Interfaces - Undergraduate Research and Creative Achievement Day at UMBC
- [P.7] **2014** Adaptive User Interfaces - Information Systems Research Poster Contest at UMBC

Research Experience

- [RA.1] **09/2016 – Present** Research Assistant – Mobile & Accessible Design (MAD) Lab at UW iSchool
- [RA.2] **01/2014 - 08/2016** Research Assistant - The Prototyping and Design (PAD) lab at UMBC
- [RA.3] **06/2015 - 02/2016** Visiting Researcher - The Big Lab in HCII at Carnegie Mellon University

Teaching Experience

- [TA.1] **01-03/2017** INFO360 - Teaching Assistant
- [TA.2] **09-12/2016** INFO360 - Teaching Assistant
- [TA.3] **02-05/2016** IS498 - Teaching Assistant
- [TA.4] **04/2015** IS101 - Guest lecturer - Lecture on Web technologies and development

Awards

- 🏆 **2016 UAE AI and Robotics for good Competition:** Semi-Finalist (7th out of 664 international submissions)
- 🏆 **2015 ASSETS 2015:** Best demo award
- 🏆 **2015 CHI 2015:** Best paper award
- 🏆 **2015 W4A:** Best paper nomination
- 💰 **2014-2016 National Science Foundation** LSAMP Bridge to the Doctorate Fellowship

Press and Blog Mentions

- [R.1] **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
- [R.2] **11/12/2015** CMU Researchers Earn Honors at ASSETS
<http://hcii.cmu.edu/news/2015/cmu-researchers-earn-honors-assets>
- [R.3] **10/08/2015** Change Dyslexia: Early Detection and Intervention At large Scale
<http://research.microsoft.com/apps/video/default.aspx?id=257604>
- [R.4] **09/22/2015** 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

- [R.5] **09/17/2015** Change Dyslexia and the Dytective project on the news in Spain.
<https://www.youtube.com/watch?v=z-nYkylqxmo>

Volunteering

- [V.1] **2017** - ACM ASSETS Organizing Committee - Graphics Chair
 [V.2] **05/2017** - CHI Student Volunteer
 [V.3] **09/2016 - Present** - UW iSchool social committee
 [V.4] **06/2016** - ASSETS - secondary reviewer (Full papers and posters)
 [V.5] **05/2016** - UIST - secondary reviewer
 [V.6] **02/2015 - 05/2016** UMBC HCIS graduate organization - Communications officer
 [V.7] **02/2015** - CHI Work in Progress - Secondary reviewer
 [V.8] **08/2014 - 12/2014** Arbutus Senior Center - Technology Instructor

Research Exhibits

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

Affiliations and Memberships

- Association for Computing Machinery
- ACM's Special Interest Group on Accessible Computing
- ACM Special Interest Group on Artificial Intelligence
- UAW Local 4121

Tool box

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|----------------------------------------------------|------------------------------------------------|
| [TB.1] Wireframing | [TB.11] HTML, CSS, JavaScript |
| [TB.2] Storyboarding | [TB.12] PHP, MySQL |
| [TB.3] Video editing | [TB.13] JAVA |
| [TB.4] Video prototyping | [TB.14] Wordpress |
| [TB.5] A-B testing | [TB.15] Chrome development (extensions/ apps) |
| [TB.6] R (data analysis) | [TB.16] Android development (wearable/ mobile) |
| [TB.7] Persona creation | [TB.17] 3D modeling |
| [TB.8] Participatory study design | [TB.18] 3D printing |
| [TB.9] Survey design | [TB.19] Rapid Prototyping |
| [TB.10] Photoshop/Illustrator/ Experience Designer | [TB.20] Native Arabic Speaker |