

# Michael Madaio

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## Education

<b>Carnegie Mellon University</b> , Pittsburgh, PA <i>PhD; Human-Computer Interaction</i> Advisors: Justine Cassell, Amy Ogan	2015 – Present
<b>Georgia Institute of Technology</b> , Atlanta, GA <i>Master of Science; Digital Media</i>	2013 - 2015
<b>University of Maryland, College Park</b> , College Park, MD <i>Master of Education; Curriculum and Instruction</i>	2009 - 2010
<b>University of Maryland, College Park</b> , College Park, MD <i>Bachelor of Arts; English Language and Literature</i>	2005 - 2009

## Publications

### Conference Publications

**Madaio, M.**, Cassell, J., Ogan, A. (2017). Using Temporal Association Rule Mining to Predict Dyadic Rapport in Peer Tutoring. In *Proceedings of the 10<sup>th</sup> International Conference on Educational Data Mining*. (in press).

**Madaio, M.**, Cassell, J., Ogan, A. (2017). The Impact of Peer Tutors' Use of Indirect Feedback and Instructions. In *Proceedings of the 12<sup>th</sup> International Conference on Computer-Supported Collaborative Learning*. **\*Best Student Paper Nominee\***

**Madaio, M.**, Ogan, A., & Cassell, J. (2016, June). The Effect of Friendship and Tutoring Roles on Reciprocal Peer Tutoring Strategies. In *International Conference on Intelligent Tutoring Systems* (pp. 423-429). Springer International Publishing.

**Madaio, M.**, Chen, S., Haimson, O., Zhang, W., Cheng, X., Hinds-Aldrich, M., Chau, D-H., Dilkina, B. (2016). Firebird: Predicting Fire Risk and Prioritizing Fire Inspections in Atlanta. In *Knowledge Discovery and Data Mining*. **\*Best Student Paper (runner-up)\***

**Madaio, M.**, Grinter, R., Zegura, E. (2016). Experiences with MOOCs in a West-African Technology Hub. In *Information-Communication Technology for Development*.

Zegura, E., **Madaio, M.**, Grinter, R. (2015). Beyond bootstrapping: the Liberian iLab as a maturing community of practice. In *Information-Communication Technology for Development*.

### Refereed Short Papers

**Madaio, M.** (2017). Exploring student control over data privacy through speculative design. In *Spark UAL Creative Teaching and Learning Journal*. Vol 2, No 2.

**Madaio, M.**, Haimson, O., Zhang, W., Cheng, X., Hinds-Aldrich, M., Dilkina, B., Chau, D.H. (2015). Identifying and Prioritizing Fire Inspections: A Case Study of Predicting Fire Risk in Atlanta. In *Bloomberg Data for Good Exchange*.

### **Regulatory Filings**

Baker, P.M.A., & **Madaio, M.** (2014). Comments filed in response to the Office of Science and Technology Policy's Notice of Request for Information (RFI) requesting public comments to inform its policy development related to high-impact learning technologies. *Federal Register* Vol. 79, Number 8 (Monday, January 13, 2014) pp. 2201-2204. Washington, DC.

## **Research**

2017 – Present      *Project Lead*, Metro21, Carnegie Mellon University  
2015 - Present      *Project Lead*, ArticuLab, Carnegie Mellon University  
Summer, 2015      *Fellow*, Data Science for Social Good: Atlanta, Georgia Tech  
2013 - 2015      *Research Assistant*, Center for 21st Century Universities, Georgia Tech  
2013 - 2014      *Research Assistant*, ADAM Lab, Georgia Tech  
Spring, 2014      *Intern*, Problem Solving and Educational Technology Lab, Georgia Tech

## **Teaching**

Summer, 2014      *Computer Science Instructor*, iLab Liberia  
Fall, 2013      *Teaching Assistant*, "Introduction to Computational Media". Georgia Institute of Technology  
2009 - 2013      *English Teacher*, John F. Kennedy High School, Silver Spring, Maryland

## **Honors and Awards**

June, 2017      *Doctoral Consortium Travel Award Honoree*, CSCL 2017  
2017      *Honorable Mention, Alternate*. Ford Foundation Pre-Doctoral Fellowship  
June, 2016      *Student Travel Award Honoree*, ACM SIGKDD 2016  
2016      *Honorable Mention, Alternate*. Ford Foundation Pre-Doctoral Fellowship  
2015 - Present      *Fellow*. Program for Interdisciplinary Education Research, Carnegie Mellon University.  
Spring, 2015      *Best Thesis Award*. Digital Media Masters Program, Georgia Tech.  
2011, 2012      *Excellence in Teaching Award*. John F. Kennedy High School.  
2005 - 2009      *Arts Scholar*. University of Maryland, College Park.  
2005 - 2009      *President's Scholarship*. University of Maryland, College Park.