Amy M. Slagle

Curriculum Vitae

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**EDUCATION**

2007-2008 Massachusetts Institute of Technology, Cambridge, MA

Master of Engineering in Electrical Engineering and Computer Science

Thesis title: Geospatial Phrase Grounding and Disambiguation.

Advisors: Boris Katz, Michael Cleary

2003-2007 Massachusetts Institute of Technology, Cambridge, MA

Bachelor of Science in Electrical Engineering and Computer Science

Bachelor of Science in Brain and Cognitive Sciences

**PROFESSIONAL EXPERIENCE**

2013-Present EcoHealth Alliance

*Senior Software Developer*

2009-2013 Wireless Generation

*Senior Software Developer*

2007-2008 C. S. Draper Laboratory

*Draper Fellow*

2006 Mars Electronics International

*Software Engineering Intern*

2005 Miller Laboratory at MIT

*Undergraduate Research Assistant*

2004 High-Energy-Density Physics Group at MIT

*Undergraduate Research Assistant*

**SOFTWARE PROJECTS**

2015-Present Mantle Prototype, EcoHealth Alliance

*An application for Ranavirus researchers to collaborate and share data, as a prototype of an open source platform for biosurveillance researchers across One Health disciplines.*

2013-Present Emerging Infectious Disease Repository, EcoHealth Alliance

*A web-based encyclopedia of curated information on emerging infectious disease outbreaks from 1940-2013.*

2013-Present Global Rapid Identification Tool System, EcoHealth Alliance

*A biosurveillance application that enables infectious disease analysts to monitor non-traditional information sources for infectious disease threats.*

2013-Present Reactive Table, Independent Project

*An open source software package enabling Meteor web applications to display interactive tables that update in real-time.*

2012-2013 Shared Platform Components, Wireless Generation

*A library of HTML, JavaScript, and CSS components and test frameworks used by other products at the company.*

2010-2012 Offline Web Assessment Platform, Wireless Generation

*A web application used by teachers to assess K-3 students early literacy and math skills on mobile devices, and sync assessment and results data to a central database.*

2009-2010 Open Item Bank, Wireless Generation

*A web application used by teachers to create and share assessments with multiple choice and open response questions.*

2009-2010 PK-12 Assessment Platform, Wireless Generation

*A web application used by teachers to view assessment results for pre-K to high school students, and a plugin for third-party scanning software to score scanned answer sheets and upload the results to the application.*

2007-2008 GeoCoder, C. S. Draper Laboratory

*A system that uses natural language processing, ontologies, and geometric operations to interpret geospatial phrases and display the results in Google Earth.*

2006 UML Modeling Plugin, Mars Electronics International

*A plugin for a UML modeling program to locate and report inconsistencies in UML models.*

**PRESENTATIONS**

Huff, A. G., Slagle, A., Horton, R., Breit, N, & Gold, Z. (2015, March). *Global Rapid Identification Tool Set (GRITS).* DDD3: Florence, Italy.

Huff, A. G., Slagle, A., Horton, R., Breit, N, & Gold, Z. (2015, March). *Global Rapid Identification Tool Set (GRITS).* Defense Threats Reduction Agency Technical Interchange Meeting: Washington, D.C.

**HONORS AND AWARDS**

2003-2007 Eta Kappa Nu Member, Sigma Xi Member, Robert C. Byrd Honors Scholar, National Dean’s List, National Merit Scholar, National AP Scholar Award