

ANDREW SABISCH

(ANDREW CORREA)

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EXPERIENCE

eBay **August 2015–Present**

MTS-1, Eng. Manager, Research Scientist. After Twice was acquired by eBay, I was called on to fulfill many diverse roles, including managing up to 7 direct reports across 2 projects and working in eBay's Human Language Technologies group.

Twice **March–July 2015**

Full-stack software engineer. Maintained, updated, and created websites and analytics tools using several open source frameworks and libraries, including Flask (Python), Hadoop (Java/Scala), and Backbone.js (JavaScript).

Multimodal Understanding Group at M.I.T. **2010–2014**

Architect of a multimodal front-end to a code generation system. The front-end is capable of holding natural conversations about data structure manipulations, generating textual descriptions of the manipulations, and initiating code generation.

Google **Summer 2011**

Software Engineering Intern for Results UI group. I aided a team of 20 software engineers to make changes to the Google results page during a major company-wide UI overhaul and visual unification.

Agile Robotics at M.I.T. **2008–2010**

Lead UI researcher and engineer for a 6,000 lbs. autonomous forklift. Designed, implemented, and tested multiple language- and gesture-based mobile interfaces.

Social Code Group at U.C.I. **2006–2007**

Worked in groups of up to 10 researchers on several projects focused on educating children via interactive museum installations. Developed systems involving up to 6 separate computers communicating wirelessly.

EDUCATION

Massachusetts Institute of Technology, Cambridge, MA **2007–2014**

DOCTOR OF SCIENCE (SC.D.—PH.D. EQUIV.) IN COMPUTER SCIENCE.....Sept. 2014

Built multimodal (speech & sketch) UI-component of a code generation system. See: <http://jamoozy.com/media.html>

MASTER OF SCIENCE (S.M.) IN ELECTRICAL ENGINEERING AND COMPUTER SCIENCE.....Sept. 2009

Lead UI researcher and engineer for a 6,000 lbs. autonomous forklift.

University of California at Irvine, Irvine, CA **2003–2007**

BACHELOR OF SCIENCE (B.S.) IN INFORMATION AND COMPUTER SCIENCES.....June 2007

Created an Eclipse plug-in that facilitates development & deployment of multi-device software systems.

PROFESSIONAL SKILLS (AND YEARS OF EXPERIENCE)

Human Languages	English (BIRTH), German (BIRTH), Sign Exact English (6), basic French (4), Spanish (1)
Programming Languages	Java (12), Ruby (9), Python (5), C (5), C++ (4), PHP (8), HTML (16), JavaScript (12), SQL (6), D (2), Go (2), Bash/Zsh (5), BASIC (19), Scala (1)
Tools & Software	Vim (11), Eclipse (9), NetBeans (5), GCC (13), L ^A T _E X (8), Docker (1), Kubernetes (1), Open-Stack (1), Make (13), Ant (5), Sed (8), Awk (8), Screen (4), Tmux (5), MySQL (7), Git (5), Subversion (9), Perforce (1), Inkscape (5), Gimp (5), Apache (8), nginx (1), uWSGI (1)

SELECT PUBLICATIONS

Andrew Correa. Drawing on the world: Sketch in context. In *Workshop on Visual Languages and Computing*, VLC '11, pages 256–261, August 2011.

Andrew Correa, Matthew R. Walter, Luke Fletcher, Jim Glass, Seth Teller, and Randall Davis. Multimodal interaction with an autonomous forklift. In *Proceedings of the 5th ACM/IEEE international conference on Human-robot interaction*, HRI '10, pages 243–250, Piscataway, NJ, USA, 2010. IEEE Press.

Matthew R. Walter, Matthew Antone, Ekapol Chuangsuwanich, Andrew Correa, Randall Davis, Luke Fletcher, Emilio Frazzoli, Yuli Friedman, Jim Glass, Jonathan P. How, Jeong hwan Jeon, Sertac Karaman, Brandon Luders, Nicholas Roy, Stefanie Tellex, and Seth Teller. A situationally aware voice-commandable robotic forklift working alongside people in unstructured outdoor environments. *Journal of Field Robotics*, 2014.