

# Thomas D. Roberts

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## Work and Research Interests

Syntax, semantics, pragmatics, Japanese, computational linguistics, endangered language preservation, natural language processing, 21st century journalism, educational and communicative technology

## Education

### Massachusetts Institute of Technology (MIT)

Cambridge, MA

• B.S. in Linguistics and Philosophy • Concentration in Japanese

Expected 2014

• Cumulative GPA: 4.5/5.0 • Major GPA: 4.9/5.0

• Selected coursework: Phonology; Syntax; Semantics; Abnormal Language; Intro to Electrical Engineering and Computer Science; Mathematics for Computer Science; Automata, Computability, and Complexity (Spring 2013); Workshop in Linguistic Research (Spring 2013)

## Experience

### MIT Department of Linguistics

Cambridge, MA

*Undergraduate Researcher*

September 2012-present

Worked with Maziar Toosarvandani on the Northern Paiute Language Project, documenting and analyzing data from the little-studied Northern Paiute language, as well as creating pedagogical materials.

### MIT Freshman Arts Program

Cambridge, MA

*Coordinator*

February 2012-present

Planned and executed an annual weeklong preorientation program with 10 upperclassman counselors to introduce 30 incoming MIT freshman to the arts at MIT and help them adjust to college life. Budgeted the program, created and organized activities, managed conflicts, and acted as the point person for the program to MIT administration.

### National Institute for Research in Computer Science and Control (INRIA)

Rocquencourt, France

*Research Assistant*

June 2012-August 2012

Assisted in creating an English semantic and syntactic lexicon in the Alexina format based upon a similar French lexicon, including writing Python scripts to parse tens of thousands of diverse linguistic entries.

### MIT Media Lab

Cambridge, MA

*Undergraduate Researcher*

June 2011-January 2012

Worked with Dr. Angela Chang on TinkrBook, an innovative tablet platform for helping children learn to read. Inventing and coded interactive Flash games, managed a team of over 10 people to deploy test tablets in Africa, and researched and analyzed use of TinkrBook with real parents and children. Co-author of paper presented at CHI 2012.

## Skills and Interests

**Languages** English (native), French (excellent), Japanese (conversational), Norwegian (beginner)

**Computers** Python, PHP, HTML/CSS, Actionscript, Microsoft Office 2010, Praat,  $\LaTeX$

**Interests** Oboist in MIT Symphony Orchestra (2010-present), MIT Dramashop, MIT Archery Club, *Denver Post* Colorado Voices columnist 2009-10, hiking, travel, creative writing

## Awards and Honors

3rd Place, Robert A. Boit Writing Prize, 2012; Salutatorian, Arapahoe High School, Centennial, CO, 2010; National Merit Scholar, 2010; Presidential Scholar Semifinalist, 2010; Top 30 in North American Computational Linguistics Olympiad, 2009, 2010