Josh Rule

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Research Interests & Technical Skills

- Learning in formal languages
- Formal language design
- Computational & Developmental psychology
- Expert performance & skill acquisition
- Concept representation in humans
- Rational self-perception

- Program induction
- Probabilistic modeling
- MATLAB, Lisp/Scheme/Church
- LaTeX, HTML, Javascript, CSS
- Linux system administration
- human neuroimaging (*e.g.* fMRI, EEG)

Education

Massachusetts Institute of Technology (MIT)   Cambridge, MA
PhD, Brain & Cognitive Sciences   *September 2013 - Present*

University of Illinois (UIUC)   Urbana-Champaign, IL
BS, Computer Science, *Summa cum Laude*   *December 2009*
BA, Philosophy, *Magna cum Laude*   *December 2009*
GPA: 3.96/4.00   Technical GPA: 3.98/4.00

Employment

Georgetown University: Professor Maximilian Riesenhuber   Washington, DC; Jakarta, Indonesia
Research Assistant & Lab Manager   *October 2010 - September 2013*

U.S. Department of State: American Embassy Kingston   Kingston, Jamaica
IT Assistant, Inter-Post Communication   *January 2010 - August 2010*

University of Illinois: Professor Dan Roth   Urbana-Champaign, IL
Undergraduate Research Assistant   *May 2009 - December 2009*

University of Illinois: Dr. Cinda Heeren   Urbana-Champaign, IL
Undergraduate Teaching Assistant, Data Structures (CS225)   *January 2008 - May 2009*

Journal Papers

- **Rule**, **J**., Riesenhuber, M. (In Preparation). *Linking Shape and Semantics in Computational Models of Primate Object Recognition*.
- Glezer, L., Kim, J., **Rule**, **J**., Jiang, X., Riesenhuber, M. (In Preparation). *Adding words to the orthographic lexicon: how learning novel words changes neural tuning in the VWFA*.

Conference Papers

- Sammons, M., Vydiswaran, V. G. V., Vieira, T., Johri, N., Chang, M.-W., Goldwasser, D., Srikumar, V., Kundu, G., Tu, Y., Small, K., **Rule**, **J**., Quang, D., and Roth, D. (2009). *Relation alignment for textual entailment recognition*. In Proceedings of the Second Text Analysis Conference.

Abstracts

- Glezer, L., Kim, J., **Rule**, **J**., Jiang, X., Riesenhuber, M. (2013). *Novel word learning selectively sharpens orthographic representations in the VWFA*. Abstract & Poster, Neuroscience 2013.

Titles & Honors

- Leventhal Fellowship, *graduate tuition & stipend*, 2013-2014
- University Honors (UIUC), *top 3% of graduating class*, 2010
- Jeffrey P. Blahut Memorial Scholarship, *C.S. Department*, 2009
- University of Illinois Chancellor's Scholar, *125 per incoming class*, 2006-2009