Joshua Rule

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Research Interests

- Expert Performance & Skill Acquisition
- Strategy Selection & Problem Solving
- Cognitive Modeling
- Human Neuroimaging (*e.g.* fMRI, EEG)

Education

University of Illinois   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

Experience

Georgetown University: Professor Maximilian Riesenhuber   Washington, DC; Jakarta, Indonesia

Research Assistant & Lab Manager   *October 2010 - Present*

- Standardize, apply, and extend HMAX, an architecture for visual object recognition
- Recruit, test, train, and scan subjects for fMRI studies in orthographic learning
- Write online training system for studies in orthographic learning
- Remotely administer lab's computing and web servers
- Manage lab's purchasing and financial reporting

U.S. Department of State: American Embassy Kingston   Kingston, Jamaica

IT Assistant, Inter-Post Communication   *January 2010 - August 2010*

University of Illinois: Professor Gerald DeJong   Urbana-Champaign, IL

Senior Thesis   *May 2009 - December 2009*

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*

Publications

- 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*.
- 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.

Technical Skills

- MATLAB, LaTeX, HTML, Javascript, CSS, PHP, MySQL, Python, Bash, C, C++, Scheme, Ocaml, MIPS
- Linux system administration, Windows, OS X

Titles & Honors

- 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