

Adam N. Goodkind

CONTACT INFORMATION	Department of Linguistics Northwestern University 2016 Sheridan Rd, Evanston, IL 60208 USA	a.goodkind@u.northwestern.edu http://sites.northwestern.edu/adam/
EDUCATION	Ph.D., Linguistics , Northwestern University, Evanston, IL, USA Data Science Fellowship	Sept 2016–Present
	M.A., Computational Linguistics , CUNY Graduate Center, New York, NY, USA M.A. Thesis: Utilizing Linguistic Context To Improve Identification in Typed Text Thesis Advisors: Prof. Andrew Rosenberg and Prof. Martin Chodorow	June 2016
	B.A., Religion: Science & Religion , Columbia University, New York, NY, USA	May 2007
EMPLOYMENT	Research Assistant , CUNY Speech Lab, New York, NY, USA Language Engineering Intern , Transcendent Endeavors, NY, NY, USA Software Developer in Test Intern , Microsoft, Redmond, WA, USA Operations Analyst , Goldman Sachs, USA Research Assistant , Columbia NLP Group, New York, NY, USA	June 2012–June 2016 June 2016–Aug 2016 June 2013–Aug 2013 Feb 2008–Jun 2011 Jan 2006–May 2007
RESEARCH INTERESTS	Information Theory (IT) in linguistics, especially as it relates to understanding language production and cognition. Recent work has studied computer typing production (keystroke dynamics) and has relied on Natural Language Processing, machine learning and statistical modeling.	
HONORS AND AWARDS	Data Science Fellowship , Northwestern University USS Donald and Mary Ellen Passantino Scholarship , CUNY Graduate Center Google Lime Connect Scholarship-Finalist , Thomas W. Smith Academic Fellowship , CUNY Graduate Center National Science Foundation, Undergraduate Research Grant , Columbia University Albert A. List Academic Fellowship , King’s Crown Award for Outstanding Leadership , Columbia University	2016–Present 2015 2014 2013–2014 2007 2003–2007 2006
PUBLICATIONS	2016 Goodkind, A. , Brizan D.G. & Rosenberg, A. Utilizing Overt and Latent Linguistic Structure to Improve Keystroke-Based Authentication . <i>Image and Vision Computing: Best of Biometrics Special Issue</i> . 2015 Goodkind, A. , Brizan D.G. & Rosenberg, A. Improvements to Keystroke-Based Authentication By Adding Linguistic Context . <i>7th IEEE Conference on Biometrics: Theory, Applications and Systems (BTAS 2015)</i> . (Slides) Goodkind, A. & Rosenberg, A. Muddying The Multiword Expression Waters: How Cognitive Demand Affects Multiword Expression Production . <i>11th Workshop on Multiword Expressions at NAACL-HLT 2015</i> . (Slides) Brizan, D. G., Goodkind, A. , Koch, P., Balagani, K., Phoha, V. V., & Rosenberg, A. Utilizing Linguistically-Enhanced Keystroke Dynamics to Predict Typist Cognition and Demographics . <i>International Journal of Human-Computer Studies</i> . October 2015, vol. 84, 57-68.	

- 2014 Locklear, H., Govindarajan, S., Sitova, Z., **Goodkind, A.**, Brizan, D., Rosenberg, A., Phoha, V., Gasti, P., & Balagani, K. [Continuous Authentication with Cognition-centric Text Production and Revision Features](#). *Biometrics (IJCB), 2014 IEEE International Joint Conference*
- 2013 Serwadda, A., Balagani, K., Wang, Z., Koch, P., Govindarajan, S., Pokala, R., **Goodkind, A.**, Brizan, D.G., Rosenberg, A., & Phoha, V. [Scan-based Evaluation of Continuous Keystroke Authentication Systems](#). *IT Professional*, 15(4), 20-23.
- 2008 **Goodkind, A.** [Tracking the Emergence of Narrative Competence in Story Retelling](#). *Quebec Student Journal of Linguistics*, Vol. 3.
- 2007 Passonneau, R. J., **Goodkind, A.**, & Levy, E. T. [Annotation of Children's Oral Narrations: Modeling Emergent Narrative Skills for Computational Applications](#). *In FLAIRS Conference* (pp. 253- 258).
- 2006 Passonneau, R., McKeown, K., Sigelman, S., & **Goodkind, A.** [Applying the Pyramid Method in the 2006 Document Understanding Conference](#). *Proceedings of the 2006 Workshop of the Document Understanding Conference (DUC)*.

PRESENTATIONS

- 2015 Goldman, N. & **Goodkind, A.**. *Worth 1,☺☺☺ Words: The Linguistics of Emoji and Emojis of Linguistics*. SQUID X: 10th Annual Conference Showcasing Quirky and Original Ideas in Development. New York, NY April 24, 2015. ([Slides](#))
- 2014 **Goodkind, A.**. [Detecting Multi-word Expressions Through Typing Patterns](#). *15th Texas Linguistics Society Conference, Austin ,TX, October 24-26, 2014* ([Slides](#))
- Goodkind, A.**. [Detecting Multi-word Expressions in Computer Keyboard Produced Text](#). *CUNY Research Day, New York, NY*

PROFESSIONAL
ACTIVITIES,
OUTREACH, AND
SERVICE

Institute of Electrical and Electronics Engineers (IEEE), Member
Linguistic Society of America (LSA), Member
Association for Computational Linguistics (ACL), Member
Financial Industry Regulatory Authority (FINRA), Member

LANGUAGES

Computer—Java, Python, R (ggplot2, plotly, lme4), C++, VBA, C#, L^AT_EX, MATLAB/Octave
Human—American Sign Language (ASL), Hebrew, Latin