

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/
RESEARCH INTERESTS	Information Theory (IT) in linguistics, especially as it relates to understanding language production and cognition. Recent work has studied autism as well as computer typing production (keystroke dynamics). Findings have relied on Natural Language Processing, machine learning and statistical modeling.	
EDUCATION	Ph.D., Linguistics , Northwestern University, Evanston, IL, USA Data Science Fellowship	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	2016
	B.A., Religion: Science & Religion , Columbia University, New York, NY, USA	2007
RESEARCH EXPERIENCE	Research Assistant , LangComp Lab, Evanston, IL, USA PI: Klinton Bicknell <ul style="list-style-type: none">Researching autism diagnoses using linguistic markers, such as semantic similarity (word vectors) and pragmatic deficiencies.	2017–Present
	Research Assistant , CUNY Speech Lab, New York, NY, USA PI: Andrew Rosenberg	2012–2016
	Research Assistant , Columbia NLP Group, New York, NY, USA PI: Rebecca Passonneau	2006–2007
HONORS AND AWARDS	Best Paper Award , Cognitive Modeling & Computational Linguistics (CMCL) 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	2018 2016–2017 2015 2014 2013–2014 2007 2003–2007 2006
PUBLICATIONS	2018 Goodkind, A. , Lee, M., Martin, G. E., Losh, M., & Bicknell, K. Detecting language impairments in autism: A computational analysis of semi-structured conversations with vector semantics. In <i>Proceedings of the Inaugural Meeting of the Society for Computation in Linguistics</i> . Salt Lake City, UT: Linguistic Society of America. [paper] [slides] Goodkind, A. & Bicknell, K. Predictive power of word surprisal for reading times is a linear function of language model quality. In <i>Proceedings of the 8th Workshop on Cognitive Modeling and Computational Linguistics (CMCL 2018)</i> . Salt Lake City, UT: Linguistic Society of America. [paper] [slides] 2016 Goodkind, A. , Brizan D.G. & Rosenberg, A. <i>Utilizing Overt and Latent Linguistic Structure to Improve Keystroke-Based Authentication</i> . Image and Vision Computing: Best of Biometrics Special Issue .	

- 2015 **Goodkind, A.**, Brizan D.G. & Rosenberg, A. *Improvements to Keystroke-Based Authentication By Adding Linguistic Context*. *7th IEEE Conference on Biometrics: Theory, Applications and Systems (BTAS 2015)*. (Slides)
- Goodkind, A.** & Rosenberg, A. *Muddying The Multiword Expression Waters: How Cognitive Demand Affects Multiword Expression Production*. *11th Workshop on Multiword Expressions at NAACL-HLT 2015*. (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*. *International Journal of Human-Computer Studies*, 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*. *Florida Artificial Intelligence Research Society (FLAIRS)*, 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 1,000 Words: The Linguistics of Emoji and Emoji 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

NON-ACADEMIC
EMPLOYMENT

Language Engineering Intern, Transcendent Endeavors, NY, NY, USA **Summer 2016**
Software Developer in Test Intern, Microsoft, Redmond, WA, USA **Summer 2013**
Operations Analyst, Goldman Sachs, USA **2008–2011**

DEPARTMENTAL
SERVICE

Founder, Northwestern NLP Group **2017–Present**
 Founder, Linguistics Deep Learning Reading Group **2017–Present**
 Web & Social Media Coordinator, Linguistics **2017–Present**
 Colloquium Reception Committee, Linguistics **2016–2017**

PROFESSIONAL
MEMBERSHIPS

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