



Kenneth Steimel

Curriculum Vitae

Education

- 2015–Present **Doctor of Philosophy**, *Indiana University*, Bloomington, 3.9.
Linguistics with an Emphasis in Computational Linguistics
○ Computer Science Minor
- 2011–2015 **Bachelor of Arts**, *University of Missouri*, Columbia, 3.9.
Linguistics – Summa Cum Laude with Honors
○ Honors Thesis on Wanga Noun Tone
○ Computer Science Minor

Experience

Vocational

- 2018–Present **Associate Instructor**, *Indiana University*, Bloomington, Indiana.
I plan and teach the Friday sessions for 'Introduction to Language and Analysis'. I also orchestrate two undergraduate teaching assistants, involving them to give them experience with teaching, and integrating them smoothly in the classroom.
- 2016–2018 **Student Editor**, *The LINGUIST List*, Bloomington, Indiana.
I edit Calls for Papers, Conferences, Queries and other smaller posting areas for the website. In addition, I have been involved with LINGUIST List projects like the LFG parser and the redesign of the website.

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🌐 www.ksteimel.duckdns.org/bio.html • **in** [Kenneth Steimel](#)

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2015–2018 **Information Technology Services Temp**, *Panera Bread*, St. Louis, Missouri.

I worked at Panera three summers in a row. The first summer was spent using powershell, bash and tcl to automate server stand-up. The second summer was spent learning about Big Data infrastructure and devised methods for integrating existing data collection services with Hadoop.

I was a large asset during our coordination with Big Data consulting companies providing them with information about the existing data sources at Panera. My third iteration, I worked with Blue Data's containerized Hadoop infrastructure.

- Development of scripts and platforms for integration of Hadoop into existing database ecosystem
- Coordination of capacity planning data with Big Data consulting companies:
 - Creation of scripts to automate data flow into clusters using platform independent solutions
 - Preprocessing of data for machine-learning
- Automation of server stand-up using tcl, bash and powershell.

Miscellaneous Work

2011–2015 **Draftsman**, *Cardinal Surveying & Mapping*, Cottleville, Missouri.

Drafted boundary surveys in Carlson Surveying software using raw data points and public land records.

Volunteer

2016–Present **Grader**, *North American Computational Linguistics Olympiad*.

Publications

Refereed Conference Proceedings

- Steimel, Kenneth (2018). Part of Speech Tagging in Luyia: A Bantu Macrolanguage. *Proceedings of the Fifth Workshop on NLP for Similar Languages, Varieties and Dialects, Santa Fe, NM* (pp. 46-54).
- Chen, Yue, Steimel, Kenneth, Green, Everett, Hjortness, Nils, Tian, Zuoyu, Dakota, Daniel & Kübler, Sandra. (2018). Towards Determining Textual Characteristics of High and Low Impact Publications. In Witt, Andreas, Diesner, Jana & Rehm Georg (Eds.): *Proceedings of the LREC 2018 "Workshop on Computational Impact Detection from Text Data"* (pp. 1-7).
- Ćavar, Damir, Moe, Lwin, Hu, Hai, & Steimel, Kenneth. (2016). Preliminary results from the Free Linguistic Environment project. In Arnold, Doug, Butt, Miriam, Crysmann, Berthold, King, Tracy Holloway, & Müller, Stefan (Eds.): *Proceedings of the Joint 2016 Conference on Head-driven Phrase Structure Grammar and Lexical Functional Grammar, Polish Academy of Sciences, Warsaw, Poland* (pp. 161–181). Stanford, CA: CSLI Publications.
- Liu, Can, Li, Wen, Demarest, Bradford, Chen, Yue, Couture, Sara, Dakota, Daniel, Haduong, Nikita, Kaufman, Noah, Lamont, Andrew, Pancholi, Manan, Steimel, Kenneth & Kübler, Sandra. (2016). IUCL at SemEval-2016 Task 6: An Ensemble Model for Stance Detection in Twitter. *Proceedings of the 10th International Workshop on Semantic Evaluation (SemEval-2016), Association for Computational Linguistics, San Diego, California* (pp. 394–400). Stroudsburg, PA: Association for Computational Linguistics (ACL)

Conference Presentations

- Steimel, Kenneth & Nyamahanga, Richard. (2017). The phonetic properties of Kihehe stops. Annual Conference on African Linguistics, Bloomington, IN.

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- o Steimel, Kenneth & Marlo, Michael. (2015). Wanga noun tonology. Annual Conference on African Linguistics, Eugene, OR.

Technical Skills

Programming	Python (5 years), C (6 years), Julia (3 years), R (3 years)	NLP	Parsing, Stance detection, Machine learning
Operating Systems	Linux, Windows	IT Software	Splunk, LXC containers, docker
High Performance Computing	Practical knowledge of programming for a HPC system (MPI, OpenMP, MPI I/O)	Hadoop	HAWQ, HIVE, Spark utilities

Languages

German	Advanced	<i>Reading, writing and listening; speaking with hesitation.</i>
Swahili	Intermediate	<i>Same level of proficiency in all four skills.</i>
Arabic	Beginner	<i>1 year of undergraduate courses</i>

References

Academic References

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- o Thomas Sterling
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Indiana University-C.R.E.S.T
- o Damir Ćavar
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