

Kailen Shantz

Data Scientist



Personal Info

Address

Kurfürsten-Anlage 61
69115 Heidelberg
Germany

Phone

+49 176 6640 2709

E-mail

kailen.shantz@gmail.com

Date of birth

26.09.1988

LinkedIn

[linkedin.com/in/kailen-shantz/](https://www.linkedin.com/in/kailen-shantz/)

Citizenship

Canadian

Soft Skills

Critical Thinking



Problem Solving



Time Management



Communication



Junior data scientist with 6+ years experience in data analysis and project work. Skilled in machine learning, statistics, problem solving and communication.

Experience

2014 - 2018 PhD Student

University of Illinois

- Designed, built and deployed experiments to study human behaviour
- Gained insights into human behaviour using machine learning tools (e.g. regression, independent component analysis, factor analysis)
- Reported results in academic journals and at international conferences
- Trained junior PhD, MA and BA students on procedures, software etc.
- Taught courses and workshops on psycholinguistics, statistics and R

2015 - 2016 Chair of Conference Committee

University of Illinois

- Led a team of 8 graduate students in organizing an annual conference
- Set and managed the weekly agenda and long-term timeline
- Delegated tasks to committee members
- Procured funding from university departments and organizations
- Coordinated travel and accommodations for invited speakers
- Disseminated information about conference

Education

2014 - 2018 PhD in Linguistics, University of Illinois, USA

Thesis: *Why wait? Psycholinguistic investigations of the roles of learning condition and gender stability in L2 gender-based anticipation*

GPA: 4.0

2012 - 2014 MSc in Linguistics, University of Alberta, Canada

Thesis: *Graded effects of first and second language orthography on pronunciation during second language acquisition*

GPA: 4.0

2008 - 2012 BA in German Language and Literature, University of Alberta, Canada

Thesis: *Pronouncing Anglicisms: On the difficulty experienced by English-dominant learners of German*

GPA: 3.8

Certifications

2018 Data Scientist with R – DataCamp

2018 Machine Learning – Stanford University on Coursera

2019 Data Scientist with Python – DataCamp

Publications

2018 Kimball, A., **Shantz, K.**, Eager, C., & Roy, J. (2018). *Confronting quasi-separation in logistic mixed effects for linguistic data: A Bayesian approach*. Journal of Quantitative Linguistics. Advanced online publication.

2017 **Shantz, K.** (2017). Phrase frequency, proficiency and grammaticality interact in non-native processing: Implications for theories of SLA. *Second Language Research* 33(1), 91-118.

2017 **Shantz, K.** & Tanner, D. (2017). Talking out of order: Task order and

Technical Skills

R



Advanced

Python



Good

SQL



Basic

Matlab



Basic

Machine Learning



Very Good

Data Visualization



Very Good

Markdown



Good

Statistics



Very Good

MS Office



Advanced

Languages

English



Native

German



Proficient

retrieval of grammatical gender and phonology in lexical access. *Language, Cognition and Neuroscience*, 32 (1), 82-101.

Courses

2016	Regression Modeling with Nonlinear Data
2015	Statistical Models in Linguistics
2015	Advanced Probabilistic Modeling in R
2015	Analyzing Time Series Data using GAMs

Interests

Cooking

Baking

Piano