Kailen Shantz

Data Scientist

Personal Info

Address

Kurfürsten-Anlage 61
69115 Heidelberg
Germany

Phone

+49 176 6640 2709

E-mail
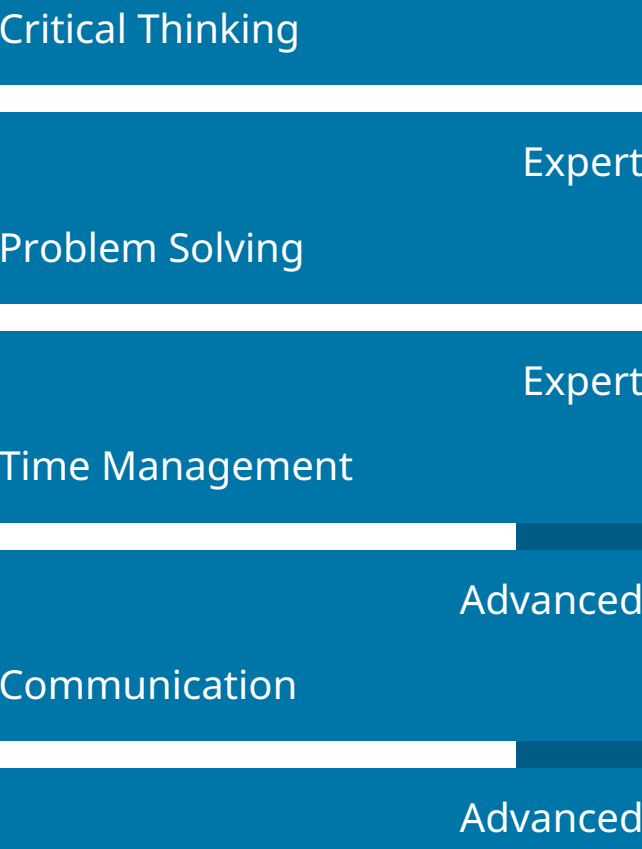
kailen.shantz@gmail.com

Date of birth

26.09.1988

LinkedIn

linkedin.com/in/kailen-shantz/

Marital status

Single

Citizenship

Canadian

Soft Skills

Critical Thinking

Expert

Problem Solving

Expert

Time Management

Advanced

Communication

Advanced

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 Linguistics, University of Alberta, Canada

Thesis: *Pronouncing Anglicisms: On the difficulty experienced by English-dominant learners of German*
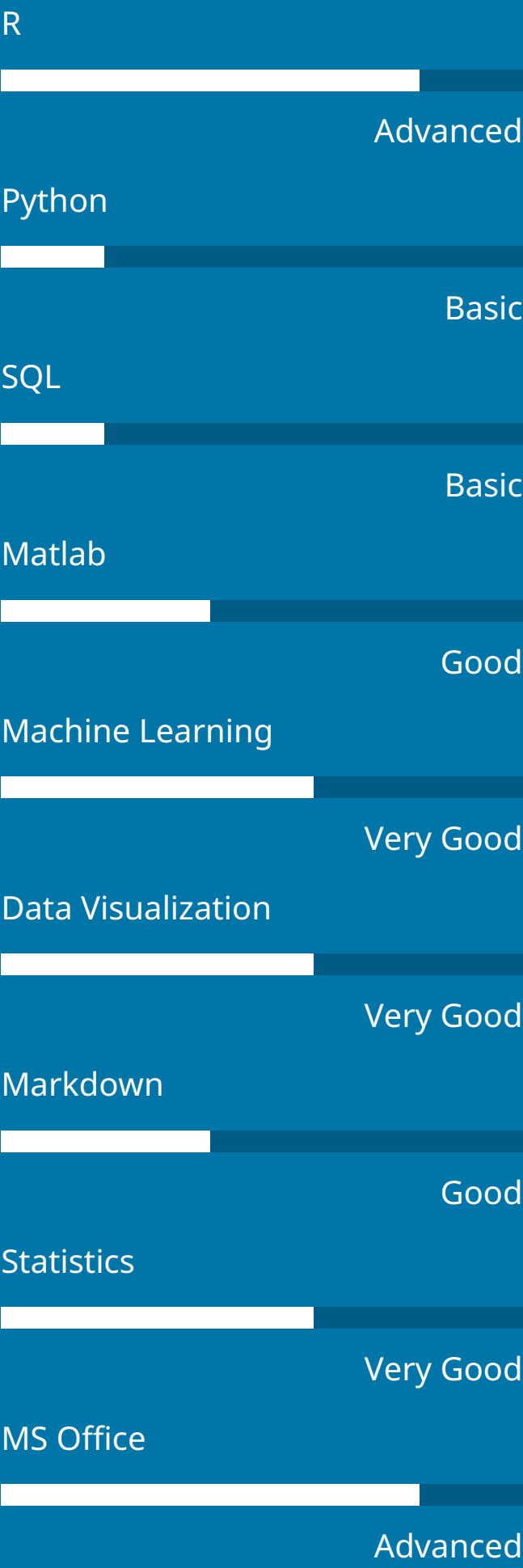
GPA: 3.8

Certifications

2018   Data Scientist with R – DataCamp

2018   Machine Learning – Standford University on Coursera

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

Technical Skills

R

Advanced

Python

Basic

SQL

Basic

Matlab

Good

Machine Learning

Very Good

Data Visualization

Very Good

Markdown

Good

Statistics

Very Good

MS Office

Advanced

Languages

English

Native

German

Proficient

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