TIM SCHOOF, PHD

💻 EXPERIENCE

Present | 2019

Research Scientist
Starkey Hearing Technologies 📍 Eden Prairie, MN

· Designed, conducted, and analyzed experiments assessing novel hearing aid technology
· Classified patients' degree of hearing loss using machine learning
· Analyzed big data using R and SQL to evaluate hearing aid usage
· Developed a patent using sensor technology and machine learning for tinnitus treatment

2019 | 2017

Research Associate
University College London 📍 London, UK

· Analyzed speech perception data using Bayesian linear mixed models
· Developed reproducible workflows using MATLAB, R, and Git

2016 | 2015

Postdoctoral Fellow
Northwestern University 📍 Evanston, IL

· Analyzed data from a multi-site clinical hearing aid trial using linear and logistic hierarchical mixed effects models
· Taught an introductory workshop to statistical programming in R

2015 | 2014

Pauline Ashley Postdoctoral Fellow
University College London 📍 London, UK

· Invented a novel electrophysiological test paradigm

🎓 EDUCATION

2014

PhD, Speech, Hearing and Phonetic Sciences
University College London 📍 London, UK

· Designed, conducted, and analyzed speech perception and electrophysiology experiments

2011

MRes, Speech, Language and Cognition
University College London 📍 London, UK

2010

MA, Linguistics
Utrecht University 📍 Utrecht, The Netherlands

2007

BA, English Language and Literature
University of Groningen 📍 Groningen, The Netherlands

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SKILLS

R
tidyverse
MATLAB
Git and GitHub
SQL

I can highlight some things that are in the job advert here.

I could add some recent courses I've taken here as "continuing education". That could also be instead of the "data science writing" section on page 2.

🖥 RELEVANT PRESENTATIONS

2021 ● Groundhog: Tips and tricks for reproducibility in R

R Ladies Twin Cities (talk)

2017 ● Enhancing transparency and reproducibility of hearing science

American Auditory Society, Scottsdale, AZ (poster)

🖥 DATA SCIENCE WRITING

2020 ● Data science and statistics books I love

timschoof.com/post/favourite-resources

2019 ● Writing reproducible papers in R

timschoof.com/post/reproducible-papers-r

2019 ● Plotting audiograms in R

timschoof.com/post/plotting-audiograms-in-r

📖 SELECTED PUBLICATIONS

2020 ● Switching streams across ears to evaluate informational masking of speech-on-speech

Calcus, A., Schoof, T., Rosen, S., Shinn-Cunningham, B. & Souza, P. Ear and Hearing, 41(1): 208-216

2019 ● Modulation of phase-locked neural responses to speech during different arousal stats is age-dependent

Mai, G., Schoof, T. & Howell, P. NeuroImage, 189: 734-744

2016 ● The role of age-related declines in subcortical auditory processing in speech perception in noise.

Schoof, T. & Rosen, S. Journal of the Association for Research in Otolaryngology, 17(5): 441-460

2014 ● The role of auditory and cognitive factors in understanding speech in noise by normal-hearing older listeners

Schoof, T. & Rosen, S. Frontiers is Aging Neuroscience, 6:307

2013 ● Advantages from bilateral hearing in speech perception in noise with simulated cochlear implants and residual acoustic hearing.

Schoof, T., Green, T., Faulkner, A. & Rosen, S. Journal of the Acoustical Society of America, 133(2): 1017-1030

▦ PATENTS

2020 ● Automatic tinnitus masker for an ear-wearable electronic device

Reinhart, P. & Schoof, T. Provisional filed December 30, 2020. ST0927PRV