



PROFILE

I am interested in working with data and building predictive models, especially neural networks and image recognition. I enjoy continually learning and growing. I am currently taking courses related to an MA in data science, and courses on generative AI through coursera. See my github repositories for personal projects.

SKILLS

Python

scikit-learn, pytorch, matplotlib, seaborn, numpy, pandas, streamlit

AWS Cloud

Certified

GitHub & DagsHub

Version and pipeline control

Soft Skills

Organization of meetings, supervision, communication of results, budget management, time management, problem solving, adaptability, teamwork & collaboration, adaptability, creativity

INTERESTS

Data Science

Exploratory data analysis, data visualization, data ethics, big data, feature engineering, pipeline development

Machine Learning

Recommender systems, predictive statistical models, classification, time series analyses

Artificial Intelligence

Machine vision, text to speech, speech synthesizers, chatbots

LANGUAGES

English

Native

German

Intermediate (B1)

Phil J. Howson



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philjhowson.github.io/

CONTACT

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EXPERIENCE

Data Scientist

Ludwig-Maximilians-Universität München - 2023 / 2024

- formatted and validated data for creation of database on the Bavarian Archive for Speech Signals (BAS)
- facilitated meetings with international collaborators (7 collaborators in 3 countries)
- supervised 2 research assistants
- dissemination of research reports (n = 1) and presentations (n = 3)

Project Manager

Leibniz-Zentrum Allgemeine Sprachwissenschaft - 2021 / 2023

- planned and managed 3 projects involving experimental design, data collection, and data analysis for language acquisition
- organized project meetings (1x per month) with research assistants (n = 2) and collaborators (n = 3)
- obtained over €160,000 through research grants
- dissemination of project reports (n = 3) and presentations of findings (n = 6)

Data Scientist

University of Victoria - 2020 / 2021

- trained 5 learners
- machine learning models (e.g., PCA) to better understand speech
- obtained C\$90,000 through research grants
- published research reports (n = 1) and presented findings (n = 2)

Data Scientist

University of Oregon - 2018 / 2020

- designed and lead experiments and data collection (using AWS MTurk to carry out online experiments)
- responsible for maintenance of large database (data for over 1000 participants)
- managed 10 research assistants
- published research reports (n = 3) and presented findings (n = 4)

EDUCATION

Data Science & MLOps Engineer

Université de Paris, Sorbonne - 2024 / 2025

- fundamentals of data science, machine learning, and coding with Python

Machine Learning

IBM - 2024 / 2025

- learned fundamental concepts in machine learning, deep learning, and AI
- gained practical experience implementing models (see my GITHUB page)

Ph.D. Linguistics

University of Toronto - 2014 / 2018

- supervision of teaching assistants (n = 15) and research assistants (n = 2)
- dissemination of research reports (n = 4) and presentations (n = 12)
- over C\$120,000 in research grants