



## 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



[Linkedin.com/in/philjhowson](https://www.linkedin.com/in/philjhowson)



[philjhowson.github.io/](https://philjhowson.github.io/)

## CONTACT



+49 1514 1976074



[philjhowson@outlook.com](mailto:philjhowson@outlook.com)



Schillingstraße 28, 10179, Berlin - Germany

## 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