

DANIEL ROELFS

Data Scientist working on anti-money laundering for DNB, Norway's largest bank. Previously a biomedical researcher in Computational Psychiatry with a focus on neuroimaging and genetics



WORK EXPERIENCE

current
|
2022



Data Scientist

Group AML

📍 DNB

- Data scientist in the Anti-Money Laundering Group at DNB
- Creating machine learning models using Python, R, and AWS cloud services and putting models in production
- Application of responsible data science practices in both development and deployment

2022
|
2019



Doctoral Research Fellow

Multimodal Imaging group at NORMENT

📍 University of Oslo

- PhD position on neuroimaging and genetics
- Running a study from conception through writing the final manuscript
- Writing scripts and pipelines in R, Python, and MATLAB

2019
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2018



Research Assistant

EEG Group at NORMENT

📍 University of Oslo

- Managing EEG data, data preprocessing and analysis, training new EEG testers, performing EEG experiments
- Maintaining and adapting preprocessing pipelines for EEG data

2019
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2018



Research Assistant

Department of Medical Physics

📍 Rikshospitalet, OUS

- Data collection, management, and processing in an MRI study on sleep deprivation
- Preprocessing and analyzing the imaging data and preparing datasets for collaborators
- Processing and analyzing of data from the video camera



EDUCATION

2022
|
2019



PhD, Doctoral Education

University of Oslo

📍 Oslo, NO

- Doctoral education at the Institute of Clinical Medicine at the University of Oslo
- Courses relevant to neurobiology, advanced statistics, and other academic and non-academic skills

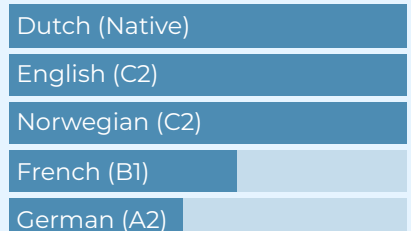
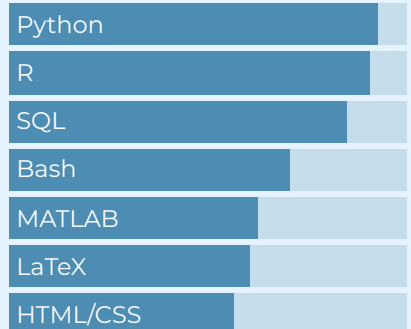


View this CV online with links at cv.danielroelfs.com


CONTACT

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SKILLS & LANGUAGES



2018
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2016

- **MSc, Biomedicine**
Lund University  Lund, SE
 - Master's program in Biomedicine at the Faculty of Medicine
 - Focus on molecular biology and neuroscience

2015
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2012

- **BSc, Pre-medical track**
University College Roosevelt, Utrecht University  Middelburg, NL
 - Major in the pre-medical science track, minor in philosophy
 - Liberal Arts & Science program
 - Honors College

CLINICAL EXPERIENCE

2016

- **Assistant nurse/phlebotomist**
Gelre Hospital Apeldoorn  Apeldoorn, NL

AWARDS

2021

- **ECIP Oral Finalist**
World Congress of Psychiatry Genetics
 - Awarded to promising oral presentations from early-career researchers

2019

- **International Training Grant**
Norwegian Research School in Neuroscience
 - Grant awarded to scientists to receive training abroad that'll benefit their research in Norway

2019

- **Sparbanken Skåne Master Prize**
Sparbanksstiftelsen Färs & Frosta, Lund University
 - Awarded to the best master theses in the field of neuroscience

COMMISSIONS

2021
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2019

- **Committee Member**
Norwegian Research School in Neuroscience
 - Organization of the national conference for neuroscience PhD candidates

2015
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2014

- **General Board Member (Fundraising portfolio)**
The Netherlands Red Cross Student Desk Zeeland
 - Coordination with regional and national Red Cross offices



PORTFOLIO

present
|
2019



Personal website/blog

danielroelfs.com

- Includes tutorials on statistics ([link](#), [link](#)) and data science ([link](#), [link](#), [link](#))
- Tutorials contain code written in R and Python, website is generated using Hugo and Quarto hosted through GitHub and Netlify

present
|
2019



Talks & Presentations

danielroelfs.github.io/slides

- Webpage where I collect all slides and files for talks, workshops, and presentations I've given since the start of my PhD
- Among others slides for a number of conference presentations ([link](#), [link](#)) and talk on the importance of design in science ([link](#), [link](#))

present
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2020



Bilkollektivet Trip Cost Calculator

danielroelfs.shinyapps.io/bilkollektivet

- Interactive web app to quickly calculate and compare the cost of a trip with car-sharing service Bilkollektivet

2021



Advent of Code

danielroelfs.github.io/advent-of-code

- Annual set of coding and programming challenges/puzzles in the form of an Advent calendar

2019



Introduction To Basic Statistics in R

For internal purposes

- Gentle introduction to performing statistical analysis and plotting in R
- Intended for NORMENT employees and other medical researchers



SELECTED PUBLICATIONS

2023



Shared genetic architecture between mental health and the brain functional connectome in the UK Biobank

BMC Psychiatry

2022



Genetic overlap between multivariate measures of human functional brain connectivity and psychiatric disorders

medRxiv

2021



Phenotypically independent profiles relevant to mental health are genetically correlated

Translational Psychiatry

I occasionally write blogposts that serve as tutorials or showcases for how I solve certain data science problems

Full list of articles on which I am a (co-)author is available on my ORCID or Google Scholar profile

Last updated on 02-04-2024