

# ARNE VAN DEN KERCHOVE

brain-computer interfaces / machine learning / volunteering

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## EDUCATION

### Ph.D. in Computational Neuroscience

KU Leuven University, University of Lille 2020 – ongoing

### M.Sc. in Computer Science, *cum laude*

KU Leuven University 2017 – 2020

### B.Sc. in Informatics

KU Leuven University 2014 – 2017

## PROFESSIONAL EXPERIENCE

### Freelance Full stack web developer

Self employed 2016 – ongoing

- Development of websites and web based solutions using Drupal CMS or Django.
- Management of physical and virtualized server infrastructure for web hosting.
- Customized front end web design.

### Teaching assistant Fundamentals of Computer Science

KU Leuven University February – June 2020

Teaching exercise sessions in Python programming and algorithmic reasoning to first year engineering students.

### Flask developer

Mindspeller July 2019 – December 2019

Python Flask developer in a KU Leuven spin-off that provides neuromarketing services based on scientifically validated neuroscience and artificial intelligence research.

## VOLUNTEERING EXPERIENCE

### Secretary of the Board of Directors

Scientica Leuven vzw 2018 – 2019

### Webmaster

Scientica and Wina Leuven vzw 2015 – 2019

### Deputy president and first aid instructor

Youth Red Cross Retie-Dessel 2014-2018

### PAL tutor Principles of Computer Programming

KU Leuven University 2015

## QUALIFICATIONS

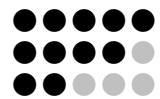
Event Paramedic  
Belgian Red Cross

Animator in Youth Work  
Government of Flanders

Driver's License B

## SKILLS & LANGUAGES

Java, Python, Matlab  
SQL, PHP  
Haskell, Prolog, R, Scala



software: Keras, TensorFlow, NumPy, Pandas, signal processing, Linux, Git, LaTeX, Django, Flask, Drupal, full stack webdev, DevOps, Ansible

Dutch	native language
English	full proficiency
French, German	minimum proficiency

## ABOUT ME

strengths: analytical detail oriented

perservering problem solving

constructive motivated

interests: AI unsupervised learning

deep learning neuroscience

IT security FOSS data privacy

philosophy natural sciences



arne.vandenkerchove.com