

ARNE VAN DEN KERCHOVE

computer science / machine learning / volunteering

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Leuven, Belgium

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PROFESSIONAL EXPERIENCE

Teaching assistant Fundamentals of Computer Science

KU Leuven University February 2019 – ongoing

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

Full stack web developer

Self employed 2016 – ongoing

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.

Database technician

Pharmacists Federation of Brabant May 2015

Front end web developer

GBits Web Development 2014

VOLUNTEERING EXPERIENCE

Secretary of the Board of Directors

Scientica Leuven vzw 2018 – 2019

- Day-to-day management of an overarching student organization at the Faculty of Science of KU Leuven.
- Responsible for internal quality assurance and documentation.
- Setup of technology stack to support organization structure.

Webmaster

Scientica and Wina Leuven vzw 2015 – 2019

- Team leader of the technical support teams of multiple student organisations.
- Development and maintenance of websites, internal tools and online course service platform.
- Sysadmin of distributed Linux server infrastructure.
- Member of the Board of Directors of Wina Leuven vzw.

Deputy president and first aid instructor

Youth Red Cross Retie-Dessel 2014-2018

- Youth leader in an openly accessible youth movement.
- First aid instructor for children of ages 6 through 16.

PAL tutor Principles of Computer Programming

KU Leuven University 2015

Organizing and teaching Peer Assisted Learning sessions in Python programming to first year Informatics students.

EDUCATION

M.Sc. in Computer Science

KU Leuven University 2017 – 2020

- Option Artificial Intelligence, *cum laude*
- Master thesis:** *Transcription of multiple ERP components from EEG recordings using spatio-temporal beamforming (16/20)*


B.Sc. in Informatics

KU Leuven University 2014 – 2017

- Minor Natural Sciences
- Bachelor thesis:** *Drone simulator and stereoscopic object detection autopilot (19/20)*

QUALIFICATIONS

 **Event Paramedic**
Red Cross of Flanders

 **Animator in Youth Work**
Government of Flanders

 **Driver's License B**

SKILLS & LANGUAGES

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



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

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