ARNE VAN DEN KERCHOVE

machine learning / neuroscience / volunteering

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EDUCATION

Ph.D. in Biomedical Sciences
KU Leuven University   2020 – ongoing 📅

Thesis: *EEG-based Visual Brain-Computer Interface for Gaze-free Communication*

Ph.D. in Engineering Sciences
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 📅

Teaching assistant Fundamentals of Computer Science
KU Leuven University   February – June 2020 📅

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
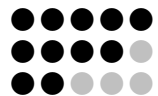
🧍 **Animator in Youth Work**
Government of Flanders

🚗   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   neuroscience   IT security & data privacy   FOSS   philosophy   natural sciences   first aid & emergency response

🌐 arne.vandenkerchove.com