



ioannis KALFAS

RESEARCHER | DATA SCIENTIST

CONTACT



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Belgium



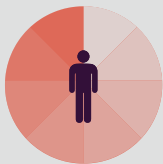
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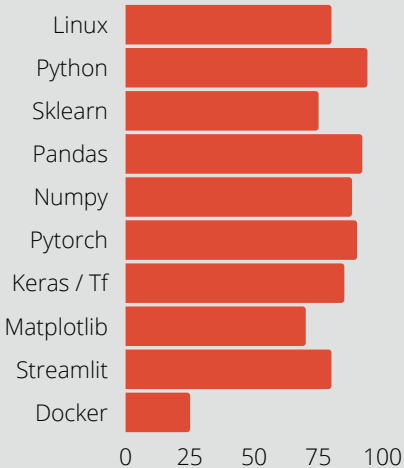
kalfasyan@gmail.com

PERSONAL SKILLS

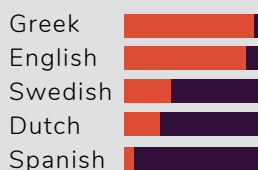
Reliable
Professional
Independent
Resilient



TECHNICAL SKILLS



LANGUAGES



[Ioannis Kalfas - Google Scholar](#)



www.linkedin.com/in/kalfasyan



www.github.com/kalfasyan

ABOUT

I am a Data Scientist who specializes in data analysis and modeling utilizing scientific libraries, artificial intelligence frameworks, and the UNIX shell. Both Academia and Industry experience.

WORK EXPERIENCE

PHD RESEARCHER



MeBioS, KU Leuven, Leuven | Dec 2018 - (expected graduation: Nov 2022)

- Compiled challenging insect datasets with highly similar classes to develop data-centric solutions to real-world insect monitoring problems.
- Developed AI algorithms to classify insect species based on wingbeat time-series and image data; assessed them using practice-oriented validation strategies; and embedded them into IoT devices that performed insect monitoring in the field.
- Created a desktop application (on RPi) and an AWS-hosted Streamlit web application for partner research institutes to utilize for insect data classification and manual annotation.
- Supervised 3 Master Thesis students & several Bachelor students with their respective projects.

DATA SCIENTIST



Faktion, Antwerp | Dec 2017 - Dec 2018

- Conceived and developed machine learning and deep learning algorithms for predictive analytics; Built end-to-end Deep Learning pipelines.
- Worked on various Signal processing, Speech-to-Text, and Computer Vision projects.

PHD RESEARCHER



Lab of Neurophysiology, KU Leuven, Leuven | Nov 2015 - Nov 2017

- Evaluated deep convolutional neural networks (CNNs) as models of biological neurons in visual areas of the brain.
- Performed Representational Similarity Analysis between artificial and biological neurons.

EDUCATION

MSC, MACHINE LEARNING



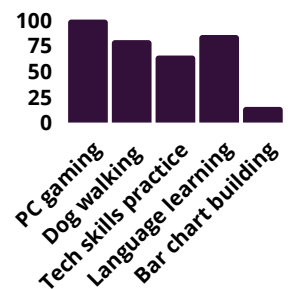
KTH Royal Institute of Technology | 2015

BSC, COMPUTER SCIENCE



Aristotle University of Thessaloniki | 2013

HOBBIES



ACCOMPLISHMENTS

- 17 online courses in Machine Learning, Python, Linux
- 1 hackathon win (Human Beyond Digital Hackathon)
- 8 scientific publications (4 as first author, 1 pending, 3 co-authored)