Yannis KALFAS

RESEARCHER | DATA SCIENTIST

CONTACT

Broekstraat 326, box 2
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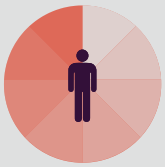
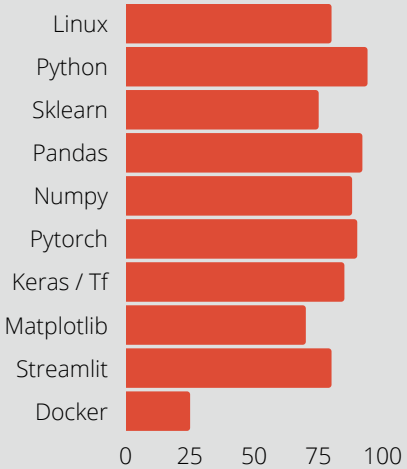
kalfasyan@gmail.com

PERSONAL SKILLS

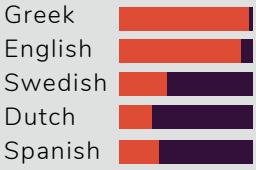
Reliable
Professional
Modest
Independent
Resilient



TECHNICAL SKILLS



LANGUAGES



Ioannis Kalfas - Google Scholar

www.linkedin.com/in/kalfasyan

www.github.com/kalfasyan

ABOUT

As a research scientist, I have extensive experience in data analysis and modeling using scientific libraries, artificial intelligence frameworks, and the UNIX shell. I have worked in both academic and industry settings, bringing a diverse perspective to my work.

WORK EXPERIENCE

POSTDOC RESEARCHER

MeBioS, KU Leuven, Leuven | Nov 2022 - ongoing

KU LEUVEN

- Leading insect monitoring projects.
- Conducting research on hyperspectral imaging.
- Supervising theses of doctoral and master's level students.

PHD RESEARCHER

MeBioS, KU Leuven, Leuven | Dec 2018 - Nov 2022

KU LEUVEN

- Compiled challenging insect datasets with highly similar classes to develop data-centric solutions to real-world insect monitoring problems.
- Engineered AI algorithms that accurately classify insect species using wingbeat time-series and image data. Conducted rigorous validation testing to evaluate algorithm performance and reliability in real-world scenarios, and deployed the algorithms on IoT devices for efficient and reliable insect monitoring in the field.
- Created a Linux desktop application and an AWS-hosted Streamlit web application for partner research institutes to utilize for insect classification and annotation tasks.
- Supervised Master Thesis & 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.

PHD RESEARCHER

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

KU LEUVEN

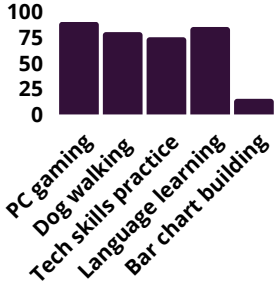
- Evaluated deep convolutional neural networks (CNNs) as models of biological neurons in visual areas of the brain.

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 (5 as first author, 3 co-authored)