Filip Makraduli

filipmakraduli.10@gmail.com | linkedin.com/in/filipmakraduli | github.com/fm1320

EDUCATION

Imperial College London   London, UK
Master of Research in Biomedical Research - Data Science (Grade: Distinction)   Oct. 2020 – Oct 2021
- 2 research projects & core training lectures in biomedical Data Science subjects
- Gained experience in project planning, scientific research, and report/grant-writing skills

Faculty of Electrical Engineering and Information Technologies   Skopje, MKD
BSc. in Electrical Engineering and Information Technologies   Sep. 2016 – Aug 2020
- Coursework in the field of computer architectures, electronics, and concepts of computer systems
- Elective courses in signal, image, and audio processing

EXPERIENCE

Postgraduate Researcher   *March 2021 – Sep 2021*
AstraZeneca   *London / Cambridgeshire, UK*
- Constructed AI pipelines for an end-to-end explainability of 3D CT/MRI COVID-19 imaging datasets
- Resolved Class Activation Maps and tested explainability methods for 3D and 2D neural networks
- Evaluated and implemented 2D/3D deep learning CNN algorithms for image classification in Keras/Tensorflow on chest scans datasets
- Collaborated and liaised with senior data scientists from AstraZeneca and Imperial College London

Postgraduate Researcher (Project)   *Oct 2020 – March 2021*
Imperial College London   *London, UK*
- Developed a web app for entity recognition and summarization using 2.5K biomedical literature papers
- Researched the use cases of state-of-the-art NLP algorithms (Transformers, LSTMs, RNNs)
- Tested and expanded the functionality of an existing project - acknowledged in Biorxiv paper.
- Published co-author in Frontiers in Digital Health with *"Auto-CORPus: A Natural Language Processing Tool for Standardising and Reusing Biomedical Literature"*

Product management consultant   *May 2019 – Dec 2019*
PNA Technology   *Skopje, MKD*
- Suggested technology solutions and executed sales processes for an IoT product that tracks and visualises downtime of machines in factories
- Identified customer needs and recommended improvements to the technology design patterns and user interface of the product
- Secured an investment of 30K € by creating a video presentation and a pitch deck of product use cases and business models
- Learned principles of Agile/SCRUM Methodologies through Microsoft Azure DevOps platform

LEADERSHIP & ACTIVITIES

Algothon virtual 2021 (4th out of 20 teams): Facilitated a team of 3 in trading data visualisation, data cleaning, and algorithmic trading tasks at a hackathon by the Imperial College Algorithmic Trading Society.
Coursera certifications 2020: Neural Networks and Deep Learning, AI for Medical Diagnosis, Fundamentals of Project Planning and Management.
Skopje startup weekend 2018 (1st place): Created a business model for a no-coding deep learning platform
Committee president 2017: Spoke and debated about science, technology, and industry at an international model European parliament session.
Aspire Academy 2016: Managed a team of 5 in recruiting students for a summer program in Romania.

SKILLS & INTERESTS

Interests: Deep Learning, Applied Data Science, Computer Vision, Natural Language Processing, Machine Learning, Electronics, Blockchain, Data products, Cryptocurrency, Quantitative finance, Startups.
Skills: Python, Learning, Google Colab, Streamlit, Googling, Jupyter notebook, SpaCy, Anaconda, C/C++, Matlab, Arduino, Raspberry Pi, Git, Keras, Huggingface, Pandas, NumPy, Matplotlib, Tensorflow, Opencv.