Max **Xiang**

(+39) 36-6308-2806 | max.xiang8@gmail.com | sudohead.github.io | sudohead | max-xiang

Nationality: EU citizen

Skills

Machine learning	Scikit-learn, Tensorflow, Keras, DL4J
Programming	Python, C/C++, JAVA, Bash, Matlab, LaTeX
HPC	OpenMP, MPI, CUDA
Web	Flask, HTML, Jinja, REST API
DevOps	GCP, Docker
Languages	English (fluent), Italian (native), Chinese (intermediate)

Work Experience

COFCO International
Genève, Switzerland

Data Scientist — *Feb. 2020 - Present*

- Implemented pricing models for the Asian option market.
- Built and deployed visualisation tools using Flask.
- Building ETL pipelines using Airflow and Pandas.
- Optimised Python script to reduce missing data from 25% to 4%.

Yoroi
Cesena, Italy

Machine Learning Intern — *Nov. 2017 - Jan. 2018*

- Developed deep learning models for malware detection.
- Deployed prediction server using Docker container and Apache PredictionIO.

Education

The University of Manchester
Manchester, England

MSc in Artificial Intelligence — *2018 - 2019*

- Dissertation on human motion synthesis, built an editor with OpenGL for visualising and generating novel animations using motion capture data. Code and written thesis are available on my github.
- Used NLP techniques to mine tweets about Brexit impact on the job market. This involved topic modelling, sentiment analysis and name entity recognition.
- Modules: Machine Learning, Modelling of High-Dimensional Data, Text Mining, Computer Vision, Software Engineering, Agile Development

University of Bologna
Bologna, Italy

BSc in Computer Science and Engineering — *2014 - 2018*

- Dissertation in Computer Graphics, involving the development of a virtual reality application for medical imaging diagnosis using Unity 3D and the SteamVR platform.
- Led a team project designing and developing a sandbox physics simulator of the solar system in Java, using the MVC architecture.

Extracurricular Activity

Programming tutor — *May. 2020 - Present*

- Teaching high school students programming using Arduino as case study.

Personal projects

- Currently building an autonomous drone from scratch using Arduino and Raspberry pi.