

## PERSONAL PROFILE

PhD candidate at Imperial College London focusing on Systems for Machine Learning. A teamwork-favouring researcher who is curious and looking to learn new skills. Experience in collaborating in research groups, designing and implementing systems with Python, Go and DL frameworks.

## EDUCATION

### Computing Research, PhD

Imperial College London

since July 2021

Large-scale Data & Systems Group

- Focus on large-scale deep learning systems supervised by Peter Pietzuch
- Currently, exploring the impact of resource changes on DL training systems

### Master of Science in Informatics

Technical University of Munich

April 2018 – June 2021

- Graduated with 1.7
- Thesis on Memory Management for Graph Neural Networks on GPUs. Offloading data from the GPU memory to train GNNs with huge graphs
- Implemented autonomous parking for two scenarios in a team of six. Utilised ROS, LIDAR and SLAM to plan trajectories

### Study abroad

Deakin University, Melbourne

February 2017 - June 2017

- Refined verbal and written communication skills in English

### Bachelor of Science in Informatics

Technical University of Munich

October 2014 – March 2018

- Graduated with 2.2
- Thesis on Classification of goalkeeper movements. Using an inertial measurement unit to predict exercises with a 80 % accuracy
- Developed and presented a smart textile system for testing and data gathering in-field for T-Systems in a team of nine

## PUBLICATIONS

### KungFu: Making Training in Distributed Machine Learning Adaptive

Luo Mai, Guo Li, Marcel Wagenländer, Konstantinos Fertakis, Andrei-Octavian Brabete, Peter Pietzuch. OSDI, 2020

### Spotnik: Designing Distributed Machine Learning for Transient Cloud Resources

Marcel Wagenländer, Luo Mai, Guo Li, Peter Pietzuch. HotCloud, 2020