Zehuan **Zhang**

PHD STUDENT · IMPERIAL COLLEGE LONDON

Imperial South Kensington Campus, Exhibition Road, London, UK, SW7 2AZ

✉ zehuanzhang22@imperial.ac.uk | ⌂ https://zehuanzhang.github.io/

Education

Imperial College London   *London, UK*

PH.D. IN COMPUTING RESEARCH   *Apr. 2023 - Current*

- Research focus on hardware system and machine learning

Tianjin University   *Tianjin, China*

MASTER DEGREE   *Aug. 2019 - Mar. 2022*

- Thesis: Lightweight Zero-Shot Learning via Algorithmic and Hardware Optimizations

Tianjin University   *Tianjin, China*

BACHELOR DEGREE   *Sept. 2015 - Jul. 2019*

- GPA: 3.85/4.0 (Ranking: Top 2)

Publications

CONFERENCE

- **Zehuan Zhang**, Hongxiang Fan, Hao (Mark) Chen, Lukasz Dudziak and Wayne Luk. Hardware-Aware Neural Dropout Search for Reliable Uncertainty Prediction on FPGA. *Design Automation Conference (DAC 2024)*
- Albert Ugwudike, **Zehuan Zhang**, Wajiha Bano, Alison Tree, Wayne Luk, Andreas Wetscherek. Acceleration of T2* mapping on an MR Linac using a self-supervised convolutional neural network. *ISMRM & ISMRT Annual Meeting & Exhibition 2024*
- **Zehuan Zhang**, Matej Genči, Hongxiang Fan, Wayne Luk, and Andreas Wetscherek. Fast Uncertainty Estimation of IVIM Parameters using Bayesian Neural Networks. *ISMRM & ISMRT Annual Meeting & Exhibition 2023*

Honors & Awards

2023	**CSC Scholarship**, China Scholarship Council	*China*
2020-2021	**1st Class Scholarship**, Tianjin University	*China*
2019-2020	**2nd Class Admission Scholarship**, Tianjin University	*China*
2018-2019	**Outstanding Graduates of Tianjin University**, Tianjin University	*China*
2017-2018	**18th "Student Science and Technology Talent" of Tianjin University**, Tianjin University	*China*
2015-2017	**Merit Student**, Tianjin University	*China*
2016-2017	**Advanced Individuals in Scientific and Technological Innovation**, Tianjin University	*China*
2015-2016	**Advanced Individuals with Excellence (5%)**, Tianjin University	*China*
2015-2018	**Undergraduate Scholarship**, "People's Government" Scholarshi,"Golden Dragon Fish" Scholarship	*China*
2015-2016	**First Prize**, Tianjin Mathematics Competition	*China*

Honors & Awards

2024	**Teaching Assistant (Introduction to Computer Architecture)**, Imperial College London	*UK*

Skills

OS	Window, Linux
Deep Learning	PyTorch
Software Programming	Python, MATLAB, C++
Hardware Programming	Verilog HDL