Tianyi Ding

PHD STUDENT · BIOMEDICAL ENGINEERING

The University of Queensland Brisbane QLD 4072 Australia

☐ +61 0493495209 | ✉ t.ding@uqconnect.edu.au | 🔗 https://www.linkedin.com/in/tianyi-ding-9253a1108/

Skills And Competencies

SKILLS

Python Programming familiar to use PyTorch, Numpy, Pandas
SQL familiar with SQL queries and database structures
Data analysis skills familiar with the process of data analysis
Linear algebra and statistics knowledge

Research Experience

University of Queensland   *Brisbane, Queensland, Australia*
ADVISOR: DR.WANG SEN AND DR.LUO YADAN   *March 2021 - Nov 2021*
- Capstone: "Deep learning based road defects detection"
- Details: implement YOLO v5 to detect road defects
- Grade: High Distinction

Xi'an Jiaotong-Liverpool University   *Suzhou, Jiangsu, China*
ADVISORS: A/PROF. JUANN HUNG   *2018-2019*
- Final year project: "The effect of income inequality on morality: A research based on the United States crime rate and GINI coefficient"

Education

University of Queensland   *Brisbane, Queensland, Australia*
DOCTOR OF PHILOSOPHY   *Apr 2022 - Present*
- **Research field**: MRI methods development through deep learning;

University of Queensland   *Brisbane, Queensland, Australia*
MASTER OF DATA SCIENCE   *Feb 2020 - Dec 2021*
- GPA: 6.18/7
- Core Courses: Machine learning for data scientists (learn the basic ml model and implement some algorithms from scratch);
  software engineering(use python to produce some easy games);
  linear algebra and statistics methods (linear regression,SVD,PCA and etc.)
  social media analytics (graph theory)

Xi'an Jiaotong-liverpool University   *Suzhou, Jiangsu, China*
BACHELOR OF ECONOMICS [FIRST CLASS DEGREE (HONORS)]   *Aug 2015 - Jul 2019*
- undergrad research advisor: A/Prof. Juann Hung

Conferences

ACCEPTED

Tianyi, Ding, Yang Gao, Hongfu Sun. 2023. A Complex-valued deep neural network for Magnetic Resonance Fingerprinting. EMBC, Research poster.

Yang Gao,**Tianyi, Ding**, Martijn Cloos, Hongfu Sun. 2023. MRF-mixer: a self-supervised deep learning MRF framework. ISMRM, Oral presentation.