Haozhe Tian

Nationality: China | Country of Residence: UK
Email: mailto:haozhe.tian21@ic.ac.uk
Personal Website: Link
Current Interests: Deep Reinforcement Learning | Planning | Model Predictive Control

Education

- **Imperial College London** — London, UK
  PhD ongoing — *Sep 2023 - Sep 2027*
  Department: Dyson School of Design Engineering

- **Imperial College London** — London, UK
  MSc in Communications and Signal Processing Distinction — *Sep 2021 - Nov 2022*
  Department: Electrical and Electronic Engineering

  The Ivor Tupper Prize For Excellence in Signal Processing, Broadcast And Video Technology

- **Beihang University** — Beijing, China
  BEng GPA: 3.844/4.0 — *Sep 2017 - Jun 2021*
  Specialization: Pattern Recognition | Department: Automation and Electrical Engineering

  China National Scholarship (0.2%) | Three-times Outstanding Student List (5%) | Outstanding Graduate (10%)

Work

- **Research Assistant** — Hong Kong SAR, China
  The Hong Kong Polytechnic University — *Jan 2023 - Aug 2023*
  Privacy of Graph Neural Networks.

Publications

- **CGP: Centroid-guided Graph Poisoning for Link Inference Attacks in Graph Neural Networks**: Tian H, Hu H, Ye Q, in 2023 IEEE International Conference on Big Data (BigData) 2023 Dec 15 (pp. 554-561). IEEE.
- **Hearables: Heart Rate Variability from Ear Electrocardiogram and Ear Photoplethysmogram (Ear-ECG and Ear-PPG)**: Tian H, Occhipinti E, Nassibi A, Mandic DP, in 2023 45th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC) 2023 Jul 24 (pp. 1-5). IEEE.
- **Instrumentation of Surface Plasmon Microscopy: Complete Scheme of Signal Extractions**: , B. Zhang, H. Tian, T. Xiao and J. Zhang, in IEEE Transactions on Instrumentation and Measurement, vol. 70, pp. 1-10, 2021, Art no. 7003710, doi: 10.1109/TIM.2021.3072137.

Skills

- **English**: GRE General (330+4.0) | TOEFL iBT (115)
- **Languages**: Python | MATLAB | julia | C/C++ | Verilog HDL
- **Frameworks**: SciPy | Numpy | PyTorch | Scikit-learn | OpenCV | pandas | Matplotlib
- **Others**: LaTeX | html | CSS