

Zicheng Wang

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EDUCATION

- **University of Sydney** Sydney, Australia
PhD candidate of Electrical and Information Engineering *Jul. 2024 – Jun. 2027*
 - **Supervisor:** Prof. Luping Zhou.
 - **Research Interests:** AI-Driven Interdisciplinary Research.
- **University of Sydney** Sydney, Australia
MPhil of Electrical and Information Engineering *Mar. 2021 – Sept. 2023*
 - **Supervisor:** Prof. Luping Zhou.
 - **Research Interests:** Semantic Segmentation, Semi-Supervised Learning, Domain Adaptation, Point Clouds.
- **Xidian University** Xi'an, China
Bachelor of Telecommunications Engineering *Sept. 2014 – Jun. 2018*
 - **Main Courses:** Information Theory, Communication Networks, Advanced Algebra, Probability Theory, etc.
 - **GPA:** 3.5 / 4.0.

WORK EXPERIENCE

- **University of Hong Kong** Hong Kong, China
Research Assistant *Oct. 2023 – Jun. 2024*
 - **Supervisor:** Prof. Dong Xu.
 - **Research Interests:** Point Cloud Recognition, Domain Adaptation.
- **Samsung R&D Institute China - Beijing** Beijing, China
Research Intern *Jul. 2022 – Dec. 2022*
 - **Research Interests:** Semantic Segmentation, Exposure Correction.

PUBLICATIONS

- **Conflict-Based Cross-View Consistency for Semi-Supervised Semantic Segmentation**
Zicheng Wang, Zhen Zhao, Xiaoxia Xing, Dong Xu, Xiangyu Kong and Luping Zhou
CVPR 2023, accepted.
- **Domain Adaptive Sampling for Cross-Domain Point Cloud Recognition**
Zicheng Wang, Wen Li and Dong Xu
T-CSVT 2023, accepted.
- **Progressive Target-Styled Feature Augmentation for Unsupervised Domain Adaptation on Point Clouds**
Zicheng Wang, Zhen Zhao, Yiming Wu, Luping Zhou, and Dong Xu
ECCV 2024, under review.
- **Alternate Diverse Teaching for Semi-supervised Medical Image Segmentation**
Zhen Zhao, Zicheng Wang, Longyue Wang, Yixuan Yuan, and Luping Zhou
ECCV 2024, under review.
- **Partially-Distributed Resource Allocation Scheme for Cellular-Based Vehicle-to-Infrastructure Communications**
Zicheng Wang and Yinghui Ye
ICCT 2020, accepted.

PROJECTS

- **Uplink and Downlink Transmission of Indoor Industrial IoT Devices** Xi'an China
Main Contributor 2020 – 2020
 - **Collaborating Institute:** Nokia Bell Labs Shanghai.
 - **Key Responsibilities:** Design D2D transmission schemes, user clustering schemes, and relay selection schemes.
- **M1112 - Optimization of Deployment and Reconfiguration of Wireless Sensor Networks** Xi'an China
Primary Contributor 2019 – 2020
 - **Collaborating Institute:** Chinese Tenth Institute of Telecommunications Technology.
 - **Key Responsibilities:** Design a radar sensor deployment platform.
- **Near Space Wireless Channel Simulation Platform** Xi'an China
Primary Contributor 2018 – 2019
 - **Collaborating Institute:** Chinese Flight Test Establishment.
 - **Key Responsibilities:** Design a multi-airspace integrated measurement and control network verification platform.

HONORS

- **University of Sydney International Scholarship** 2024
University of Sydney
- **First-Class Scholarship** 2018
Xidian University
- **Recommended Graduate Student** 2017
Xidian University
- **Individual Scholarship** 2016
Xidian University
- **Individual Scholarship** 2015
Xidian University

SKILLS

- **Languages:** IELTS - 7.0 (Listening: 8.0, Reading: 8.0, Writing: 6.5, Speaking: 6.0).
- **Programming:** Python (Pytorch, Numpy, etc.), MATLAB, etc.
- **Miscellaneous:** Ubuntu, L^AT_EX, etc.
- **Hobbies:** Photography, Badminton, Cycling, Skiing, etc.