

Shuo YAN

PhD Candidate, Macquarie University, Sydney, Australia

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Research Interests

AIoT, LoRa, AI Agents, Computer Vision

Education

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| 2025–present | Doctor of Philosophy , Macquarie University, Sydney, Australia
Supervisor: Dr. Ningning Hou |
| 2020–2022 | Master of Science in Financial Engineering , WorldQuant University (online) |
| 2016–2018 | Master of Computer Science , The University of Adelaide, Australia
Thesis: Efficient object detection on an embedded system using compact MobileNet |
| 2011–2015 | Bachelor of Engineering in Information Security , Beijing University of Posts and Telecommunications, China |

Publications

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| 2026 | Shuo Yan , Ningning Hou, and Qiang Yang. Taming SNR Heterogeneity: Adaptive Expert Routing for Weak LoRa Signal Decoding. In <i>Proc. IEEE International Conference on Network Protocols (ICNP)</i> , 2026. (CCF-B) |
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Patents

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| 2021 | Shuo Yan , Rugao Zhang, and Zhenghua Yu. Self-supervised fisheye camera image feature point extraction method, device, and storage medium. Chinese Patent Application No. 202111338016.X, filed December 2021. |
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Funding

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| 2026 | Postgraduate Research Fund (PGRF) , Macquarie University, Round 1 2027. AUD 5,851. |
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Teaching

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| 2026 | Teaching Assistant , COMP2270 Networking and Cloud Computing, Macquarie University, Session 1 |
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Professional Service

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| 2026 | Technical Program Committee Member, IEEE International Conference on Mobility, Sensing and Networking (MSN) |
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Industry Experience

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| 2024–2025 | Computer Vision Engineer , Lumachain, Sydney, Australia |
| 2018–2024 | Computer Vision Engineer , Motovis, Adelaide, Australia |
| 2013–2014 | Software Development Engineer , Baidu, Beijing, China |