

YANG ZHAO

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🎓 EDUCATION

| | |
|---|-------------|
| Imperial College London | 2019 – 2024 |
| PhD · <i>Wireless Communications</i> | |
| Imperial College London | 2018 – 2019 |
| MSc · <i>Communications and Signal Processing</i> | |
| University of Liverpool + Xi'an Jiaotong-Liverpool University | 2014 – 2018 |
| BEng · <i>Communications and Electronics</i> | |

👥 WORK

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|--|------|
| China Mobile Group Guangzhou | 2018 |
| Intern · <i>Base station and emergency communication maintenance</i> | |
| China Mobile Group Design Institute Guangzhou | 2017 |
| Intern · <i>NB-IoT and FDD-LTE performance evaluation</i> | |

📌 RESEARCH

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|--|-------------|
| Channel Shaping Using Reconfigurable Intelligent Surfaces: From Diagonal to Beyond | In progress |
| Journal · <i>To be submitted</i> | |
| Index Modulation Multiple Access: A Rate-Splitting Approach | In progress |
| Flexible · <i>To be submitted</i> | |
| Reconfigurable Intelligent Surfaces in Wireless Information and Power Transfer | 2023 |
| Book Chapter · <i>Intelligent Surfaces Empowered 6G Wireless Network</i> | |
| RIScatter: Unifying Backscatter Communication and Reconfigurable Intelligent Surface | 2023 |
| Journal · <i>IEEE Journal on Selected Areas in Communications</i> | |
| IRS-Aided SWIPT: Joint Waveform, Active and Passive Beamforming Design | 2021 |
| Journal · <i>IEEE Transactions on Communications</i> | |

📖 TEACHING

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|---|-------------|
| Wireless Communications and Optimization | 2020 – 2023 |
| Assistant · <i>Master's course</i> | |
| Communications and Signal Processing Laboratory | 2020 – 2023 |
| Assistant · <i>Master's course</i> | |
| Communications | 2021 – 2023 |
| Assistant · <i>Undergraduate's course</i> | |

★ AWARDS

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|--|------|
| IET Student Prize | 2018 |
| Prize · <i>Institution of Engineering and Technology</i> | |