

# Bo Yin

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CONTACT INFORMATION	South China University of Technology (SCUT) School of Electronic and Information Engineering No. 381, Wushan Road, Tianhe District, Guangzhou 510640, P.R. China.	(+86) 155-2115-6640 eeboy@mail.scut.edu.cn
EDUCATION BACKGROUND	<b>South China University of Technology</b> <i>M.Eng.</i> in Information and Communication Engineering. • Average Points: <b>90.07/100</b> (Top 5%) • Relevant Courses: Deep Learning, Info. Theory, Stochastic Processes, Methods of Optimization, Numerical Analysis, Modern Digital Signal Processing, Security of Info. and Commun. Networks, Research Writing and Ethics.  <b>South China University of Technology</b> <i>B.Eng.</i> in Information Engineering. • CGPA: <b>3.81/4.0 (88.1/100)</b> (Top 5%) • Relevant Courses: Signals and Systems, Principle of Commun., Digital Signal Processing, Basic Theory of Info., Computer Networks, Data Structures, Technical Commun., Linux & Embedded Commun. System, Digital Image Processing, Voice Signal Processing, C/C++, Mathematical Culture.	Guangdong, China Sept 2019 - Jul 2022  Guangdong, China Sept 2015 - Jul 2019
PUBLICATIONS	Bo Yin, J. Tang, M. Wen, “Maximizing the Connectivity of Wireless Network Slicing Enabled Industrial Internet-of-Things”, <i>IEEE Global Commun. Conf. (GLOBECOM)</i> , Madrid, Spain, Dec. 2021. Bo Yin, J. Tang, “Connectivity Maximization in Non-orthogonal Network Slicing Enabled Industrial Internet-of-Things with Multiple Services”, submitted to <i>IEEE Transactions on Communications</i> .	
RESEARCH EXPERIENCE	<b>Maximizing the Connectivity in Industrial Internet of Things (IIoT)</b> 2019–2021 <i>Member of Intelligent Communication Lab, SCUT</i> • Applied non-orthogonal multiple access (NOMA) to access massive devices • Implemented network slicing to enable various service types for IIoT • Formulated the problem as a MINLP and solved by LR and SDR methods  <b>Construction of Face Recognition System on WeChat</b> 2018–2019 <i>Group leader</i> • Wrote WeChat mini programs, including front-end and back-end basic functions • Constructed the face sample data to train Resnet by Pytorch framework • Utilized Flask framework to build a server configured with the OpenCV  <b>Zero-Shot Learning of AI Challenger 2018</b> 2017–2018 <i>Team leader</i> • Analyzed the data structure, including 230 categories and 359 attributes • Combined Resnet and Matlab to capture the features and semantic space • Ranked 13th among 100+ teams in AI Challenger competition	

HONORS & AWARDS	2019–2020	Award of Excellent Student Cadre, SCUT Award of Outstanding Contribution for Postgraduate Work, SCUT	
	2018–2019	Honorable Mentions in Mathematical Contest In Modeling & Interdisciplinary Contest In Modeling (MCM/ICM), COMAP Chongqing Scholar Scholarship, Chongqing Govt (Top 1)	
	2017–2018	National Encouragement Scholarship (Top 5) Second Prize in One-hundred-step Ladder Climbing Plan, SCUT	
	2016–2017	Award of Merit Student, SCUT Award of Excellent Student Cadre, SCUT National Encouragement Scholarship (Top 5) Second Prize in Mathematics competition, SCUT First Prize of Guangdong Division in 25th Contemporary Undergraduate Mathematical Contest in Modeling, CSIAM (Top 5%)	
ACADEMIC PARTICIPATION	School of Electronic and Information Engineering, SCUT		Jul 2021
	• Academic Lecture, “ <i>Mobile Edge Caching and Its Security and Privacy Concerns</i> ” by Jianbing Ni, Assistant Professor, Queen’s University, Canada		
	Shien-Ming Wu School of Intelligent Engineering, SCUT		May 2021
	• Academic Lecture, “ <i>Industrial AI and Smart Manufacturing</i> ” by Jay Lee, Chair Professor, University of Cincinnati, OH, USA		
	School of Electronic and Information Engineering, SCUT		Apr 2021
	• Academic Lecture, “ <i>Is Shannon’s Law Still Valid in 6G ?</i> ” by Jianguo Ma (IEEE Fellow), Distinguished Professor, Guangdong University of Technology, China		
	Shien-Ming Wu School of Intelligent Engineering, SCUT		Mar 2021
	• Academic Lecture, “ <i>Edge Intelligent for Internet of Things</i> ” by Yan Zhang (IEEE Fellow), Professor, University of Oslo, Norway		
	ICC 2020 Virtual Platform		Jun 2020
	• IEEE Lecture, <i>IEEE International Conference on Communications</i> by IEEE Communications Society		
CAMPUS ACTIVITIES	<b>Teaching Assistant, Shien-Ming Wu SIE, SCUT</b>		2019–2020
	• Assisted the teacher in the <i>Introduction to Computer &amp; Programming</i> course		
	• Collaborated with the teacher to design 1th <i>introduction to engineering</i> exhibition		
	<b>Student, SCUT</b>		2016–2019
	• Guided and participated in the 31st Graduate Congress of SCUT.		
	• Organized and led the class to win the Best Creative Award in Class Competition		
RELEVANT SKILLS	Language: Chinese (Native), English		
	Programming: Matlab, Python, C/C++		
	Platform: Windows, Linux		