

Richard Cornelius Suwandi

CONTACT INFORMATION	2001 Longxiang Boulevard, Longgang District, Shenzhen, Guangdong Province, China 518172	richardsuwandi@link.cuhk.edu.cn richardcsuwandi.github.io
RESEARCH INTERESTS	Open-ended intelligent systems capable of continuous learning, efficient knowledge acquisition from limited data, and generalization across an evolving range of tasks	
EDUCATION	The Chinese University of Hong Kong, Shenzhen (CUHK-Shenzhen) Ph.D. in Computer and Information Engineering • Supervisor: Prof. Feng Yin, Prof. Tsung-Hui Chang (IEEE Fellow)	Sep 2023 - Present
	The Chinese University of Hong Kong, Shenzhen (CUHK-Shenzhen) B.Sc. in Statistics (First-class honours)	Sep 2019 - May 2023
HONORS AND AWARDS	2nd Prize Award, Doctoral Research and AI Conference, CUHK-Shenzhen	2025
	IEEE Signal Processing Society Scholarship	2024
	Shenzhen Universiade International Scholarship Foundation	2024
	School of Science and Engineering Postgraduate Studentship, CUHK-Shenzhen	2023
	Undergraduate Research Award, CUHK-Shenzhen	2022, 2023
	School of Data Science Dean's List Award, CUHK-Shenzhen	2020, 2021, 2022, 2023
	Guangdong Government Outstanding International Student Scholarship	2020, 2021
	Full Tuition and Accommodation Scholarship, CUHK-Shenzhen	2019
RESEARCH EXPERIENCE	Bayesian Learning for Signal Processing (BLSP) Group <i>Undergraduate Research Assistant</i> Assisted Prof. Feng Yin on a project involving Gaussian process (GP) for time series analysis: <ul style="list-style-type: none">• Designed a novel grid spectral mixture kernel for GP with multidimensional input• Developed two distributed algorithms for kernel learning in GP regression• Presented a paper accepted at FUSION 2022	Jun 2021 - May 2023
	Shenzhen Research Institute of Big Data (SRIBD) <i>Undergraduate Research Assistant</i> Assisted Prof. Tsung-Hui Chang on a project focused on federated unsupervised learning: <ul style="list-style-type: none">• Investigated federated matrix factorization for data clustering and recommender systems• Co-authored a paper and a poster accepted at IEEE ICASSP 2021	Jun 2020 - May 2021
PUBLICATIONS	<u>R. C. Suwandi</u> , Z. Lin, F. Yin, Z. Wang, S. Theodoridis, "Sparsity-Aware Distributed Learning for Gaussian Processes with Linear Multiple Kernel," IEEE Transactions on Neural Networks and Learning Systems (TNNLS), 2025. [Paper], [Code]	
	<u>R. C. Suwandi</u> , Z. Lin, Y. Sun, Z. Wang, L. Cheng, F. Yin, "Gaussian Process Regression with Grid Spectral Mixture Kernel: Distributed Learning for Multidimensional Data," 25th International Conference on Information Fusion (FUSION), 2022, pp. 1-8. [Paper], [Code], [Slides]	
	S. Wang, <u>R. C. Suwandi</u> , T. -H. Chang, "Demystifying Model Averaging for Communication-Efficient Federated Matrix Factorization," 46th IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), 2021, pp. 3680-3684. [Paper], [Poster]	

TEACHING EXPERIENCE	<i>Teaching Assistant, MAT2040: Linear Algebra, CUHK-Shenzhen</i>	Spring 2025
	<i>Teaching Assistant, CIE6007: Machine Learning, CUHK-Shenzhen</i>	Fall 2024
	<i>Teaching Assistant, MAT2040: Linear Algebra, CUHK-Shenzhen</i>	Spring 2024
	<i>Teaching Assistant, MAT2040: Linear Algebra, CUHK-Shenzhen</i>	Fall 2023
ORGANIZATIONAL EXPERIENCE	AI4Science Community, alphaXiv	Aug 2025 - Present
	<i>Community Leader</i> Lead a community of over 3,000 scientists, students, and engineers working on AI for automated science and research <ul style="list-style-type: none"> • Share valuable research papers to spark discussions in the community channel • Help organize weekly seminars where authors present their work and answer questions live • Find and contact potential seminar speakers via email. 	
PROFESSIONAL SERVICES AND AFFILIATIONS	<i>Reviewer, IEEE Transactions on Neural Networks and Learning Systems</i>	2025 - Present
	<i>Reviewer, International Conference on Learning Representations</i>	2025 - Present
	<i>Reviewer, IEEE Transactions on Signal Processing</i>	2024 - Present
	<i>Member, IEEE Young Professionals</i>	2024 - Present
	<i>Member, IEEE Signal Processing Society</i>	2024 - Present
	<i>Graduate Student Member, IEEE</i>	2024 - Present
	<i>Member, IEEE Student Branch, CUHK-Shenzhen</i>	2023 - Present