

# Richard Cornelius Suwandi

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CONTACT INFORMATION	2001 Longxiang Boulevard, Longgang District, Shenzhen, Guangdong Province, China 518172	<a href="mailto:richardsuwandi@link.cuhk.edu.cn">richardsuwandi@link.cuhk.edu.cn</a> <a href="https://github.com/richardcsuwandi">richardcsuwandi.github.io</a>
EDUCATION	<b>The Chinese University of Hong Kong, Shenzhen (CUHK-Shenzhen)</b> Ph.D. in Computer and Information Engineering <ul style="list-style-type: none"><li>Supervisor: Prof. Feng Yin, Prof. Tsung-Hui Chang (IEEE Fellow)</li><li>Research: Probabilistic machine learning, decision-making under uncertainty, generative AI</li></ul>	Sep 2023 - Present
	<b>The Chinese University of Hong Kong, Shenzhen (CUHK-Shenzhen)</b> B.Sc. in Statistics (First-class honours)	Sep 2019 - May 2023
HONORS AND AWARDS	School of Science and Engineering Postgraduate Studentship, CUHK-Shenzhen Undergraduate Research Award, CUHK-Shenzhen School of Data Science Dean's List Award, CUHK-Shenzhen Guangdong Government Outstanding International Student Scholarship Full Tuition and Accommodation Scholarship, CUHK-Shenzhen	2023 2022, 2023 2020, 2021, 2022, 2023 2020, 2021 2019
RESEARCH EXPERIENCE	<b>Bayesian Learning for Signal Processing (BLSP) Group</b> <i>Undergraduate Research Assistant</i> Assisted <a href="#">Prof. Feng Yin</a> on a project involving Gaussian process (GP) for time series analysis: <ul style="list-style-type: none"><li>Designed a novel grid spectral mixture kernel for GP with multidimensional input</li><li>Developed two distributed algorithms for kernel learning in GP regression</li><li>Presented a paper accepted at <a href="#">FUSION 2022</a></li></ul>	Jun 2021 - May 2023
	<b>Shenzhen Research Institute of Big Data (SRIBD)</b> <i>Undergraduate Research Assistant</i> Assisted <a href="#">Prof. Tsung-Hui Chang</a> on a project focused on federated unsupervised learning: <ul style="list-style-type: none"><li>Investigated federated matrix factorization for data clustering and recommender systems</li><li>Co-authored a paper and a poster accepted at <a href="#">IEEE ICASSP 2021</a></li></ul>	Jun 2020 - May 2021
PUBLICATIONS	<a href="#">R. C. Suwandi</a> , Z. Lin, Y. Sun, Z. Wang, L. Cheng and 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. [ <a href="#">Paper</a> ], [ <a href="#">Code</a> ], [ <a href="#">Slides</a> ]  S. Wang, <a href="#">R. C. Suwandi</a> and 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. [ <a href="#">Paper</a> ], [ <a href="#">Poster</a> ]	
TEACHING EXPERIENCE	<i>Teaching Assistant</i> , MAT2040: Linear Algebra, CUHK-Shenzhen <i>Teaching Assistant</i> , MAT2040: Linear Algebra, CUHK-Shenzhen	Spring 2024 Fall 2023
PROFESSIONAL SERVICES AND AFFILIATIONS	<i>Member</i> , IEEE Young Professionals <i>Member</i> , IEEE Signal Processing Society <i>Graduate Student Member</i> , IEEE <i>Member</i> , IEEE Student Branch, CUHK-Shenzhen	2024 2024 2024 2023