

JING BIN PAN

PROFILE A MSc Mathematics by Research student at the National University of Singapore. Highly motivated learner. Keen to pursue a career in research mathematics.

EDUCATION	NATIONAL UNIVERSITY OF SINGAPORE	AUG 2023 – PRESENT
	<ul style="list-style-type: none">- Master of Science in Mathematics (by Research)- Currently working on nonparametric maximum-likelihood estimation in mixture models under Assistant Professor Subhroshekhar Ghosh	
	NATIONAL UNIVERSITY OF SINGAPORE	AUG 2019 – MAY 2023
	<ul style="list-style-type: none">- Bachelor of Science (Highest Distinction), Double Major in Mathematics and Computer Science- Cumulative Average Point: 4.98/5.00- Completed the Special Programme in Mathematics, which is designed for a select group of students with a strong passion and aptitude for mathematics	

RESEARCH	RESEARCH ASSISTANT	JAN 2022 – PRESENT
	<ul style="list-style-type: none">- Title: <i>Minimax-Optimal Estimation in the Multi-Reference Alignment Model with Sparse Collision-free Signals</i>- Obtained improved bounds on the rate of estimation in the sparse multi-reference alignment model- Supervisor: Assistant Professor Subhroshekhar Ghosh	
	RESEARCH IN INDUSTRIAL PROJECTS FOR STUDENTS (RIPS-SG)	MAY 2022 – JULY 2022
	<ul style="list-style-type: none">- Title: <i>TCGConv: Edge Representation Learning in Temporal Graphs</i>- Worked in a team in collaboration with the technology company Grab to design a new deep learning framework to detect fraud in transaction networks	
	UNDERGRADUATE RESEARCH	MAY 2021 – JULY 2021
	<ul style="list-style-type: none">- Title: <i>Gauss Composition</i>- Investigated the composition of binary quadratic forms and their relationship with quadratic fields- Supervisor: Associate Professor Chin Chee Whye	

AWARDS

LEONG TENG KIANG MEMORIAL PRIZE IN MATHEMATICS

AY2022/2023

- Best student in the Pure Mathematics graduating cohort

SPECIAL PROGRAMME IN MATHEMATICS BOOK PRIZE

AY2022/2023

- Best student in the Special Programme in Mathematics graduating cohort

SINGAPORE NATIONAL ACADEMY OF SCIENCE AWARD

AY2022/2023

- Best student in the Mathematics graduating cohort

MEDAL OF EXCELLENCE IN MATHEMATICS

AY2022/2023

- Demonstrated excellence and potential in the pursuit of mathematics

DEAN'S LIST, ALL 6 ELIGIBLE SEMESTERS

- Top 5% of the cohort each semester