Tan Hong Ming

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Research Papers

Working Paper	**Risky Investments under Static and Dynamic Information Acquisition**, *Keppo, Jussi and Tan, Hong Ming and Zhou, Chao*, `https://ssrn.com/abstract=3141043`.
Published	**A modification to Pull the Goalie that takes into account the state of play: Coach Markov returns**, *Zaman, Zia and Tan, Hong Ming*, CHANCE, 33(1), 10-15.

Work Experience

2020–Present **Learning Facilitator**, *Emeritus Institute of Management*.
- Business Analytics for Strategic Decisions
- Python for Analytics

2017–Present **PhD Candidate**, *Institute of Operations Research and Analytics*, National University of Singapore.
- Lead for Field Studies of Pilot training Project for a Major Airline Carrier
- Lead for Demand Modeling and Price Optimization Project for a Major Airline Carrier
- Lead for Forecasting Possible Quality Issues and Optimal Responses to the Forecasts for a Leading Global Medical Device Company
- Instructor for DSC5101 Analytics in Managerial Economics
- Instructor for Executive Education: Leading with Big Data Analytics and Machine Learning
- Teaching Assistant for DSC5101 Analytics in Managerial Economics
- Tutor for DAO1704/DSC1007 Decision Analytics Using Spreadsheets
- Outstanding Graduate Student Teaching Award
- MSOM 2019 Conference and SIG Meeting Local Organising Committee
- Analytics for X Conference 2021 Local Organising Committee

2015–2017 **Graduate Research Student**, *Department of Mathematics*, Faculty of Science, National University of Singapore.
- Completed Training Programme for Teaching Assistants
- Tutor for MA1505 Mathematics I
- Tutor for MA1101R Linear Algebra I
- Achieved top 20% of all graduate tutors in teaching performance

2013–2015 **Lecturer**, *Mathematics and Statistics Division*, Temasek Polytechnic.
- Collaborated with NUS Pharmaceutical Science to create interactive webpages using HTML5 elements and Javascript
- Co-authored three textbooks
- Coordinated Online Student Evaluation of Teaching Effectiveness system for the School of Applied Science
- Subject Leader for the subject "Statistics for Applied Science"
- Completed Teaching in Higher Education Certificate
- Completed Data Analytics in Healthcare course
- Completed WSQ 3D Printing for Rapid Product Development course

2009 **Administrative Assistant**, *Office of Undergraduate Programmes*, NUS Faculty of Engineering.
- Organizing Committee of Fourteenth National Undergraduate Research Opportunities Programme 2009
- Coordinated Industrial Attachment and Vacation Internship Programme
- Assisted with Student Exchange Programme

2008 **Defensive Computer Warfare/Information Assurance Platoon Commander**, *18C4 Unit*, Singapore Armed Forces, Lieutenant.
- Managed and oversee the integrity of SAF's computer and network security
- Coordinated the audit of Top Secret and Secret classified documents for all SAF Joint forces

Awards

2019 **National University of Singapore**, *Department of Analytics and Operations*, Outstanding Graduate Student Teaching Award.

2017 **National University of Singapore**, *Department of Mathematics*, Graduate Programme in Mathematics by Research, Letter of Commendation for Graduate Tutor.

2004 **Singapore Mathematical Olympiads**, *Senior Section*, *Bronze Award*.

Academic Qualifications

2017–2021 **Ph.D. in Operations Research and Analytics**, *Institute of Operations Research and Analytics*, National University of Singapore.

2015–2017 **Master of Science by Research**, *Department of Mathematics*, Faculty of Science, National University of Singapore.
- Graduate Programme in Mathematics by Research
- Thesis Title: Investment and the Quantity of Data Analytics

2009–2013 **Bachelor of Science(Hons)**, *National University of Singapore*, Second Class Honours, Upper Division.
- Applied Mathematics (Primary Major)
- Economics (Second Major)
- CAP 4.29/5