

Tom Koosalapeerom

<https://tomkoos.github.io>

koos@umich.edu | (734) 546 0296

415 South Fifth Avenue, Apt 12, Ann Arbor, Michigan 48104

EDUCATION

2016 - 2017	MS Quantitative Finance and Risk Management, University of Michigan, Ann Arbor <i>Key courses:</i> Financial Mathematics I, Discrete Stochastic Processes, Applied Statistics I Numerical Methods with Financial Application <i>Upcoming courses:</i> Machine Learning, Financial Trading, Data Structures and Algorithms
2015	Non-degree, GPA: 4.00/4.00, Department of Mathematics and CS, Chulalongkorn University <i>Key courses:</i> Intro to Real Analysis 1, Intro to PDE, Probability Theory, Linear Algebra I
2009 - 2013	Bachelor of Accounting (Minor in Finance), First Class Honors, Thammasat University

SKILLS

Programming Language: C++, Python, R, VBA, LaTeX

Financial software: Bloomberg

MOOC & CHALLENGES

edX	HackerRank	Udemy	Codecademy	Udacity
Intro to Python for Data Science	<ul style="list-style-type: none">Algorithm Level 4 BadgePython (score: 1085)	Intro to Algorithms and Data Structures in C++	<ul style="list-style-type: none">PythonLearn SQL	Machine Learning for Trading

PROFESSIONAL EXPERIENCE

Assistant Fund Manager (1 year, 8 months)	Jun 2013 – Feb 2015
One Asset Management Company Limited Equity Fund Management Department	
9th, 24th Floor, Siam Piwat Tower, 989 Rama 1 Rd., Patumwan, Bangkok 10330, Thailand	
<ul style="list-style-type: none">Asset Allocation Model : employed Black-Litterman model and Markowitz portfolio optimization to compute optimal long-run portfolio weight across various types of assets to support fund managers' strategy and help investment team formulating the long-term house view.Exchange Traded Fund : co-managed one of the largest index ETFs in Thailand (TDEX), prepared daily ETF basket to market makers, monitored daily tracking error, and developed rebalancing model to keep tracking error below 1%.High-dividend stocks screening model : operated and developed the High-dividend stocks screening model to support fund managers on stock selection process for firm's flagship high-dividend equity fund, 1VAL-D. The fund's performance in 2014 was ranked 1st Quartile compared to peers by Morningstar.Initiated and recommended 5 stock IPOs and 6 corporate bond investment decisions to the investment committee.Covered and reviewed 7 large-cap stocks from property development sector in Thailand for internal use.	

CERTIFICATES

2016	Bloomberg Market Concepts (BMC) Certificate of Completion Bloomberg Institute, Bloomberg Finance LP.
2015	C++ BASIC (Win32 Console Application) Certificate NetDesign Institute, approved by the Ministry of Education (Thailand)
2012	CISA Level 1 (Certified Investment and Securities Analyst) Thailand Securities Institute (TSI), The Stock Exchange of Thailand

ACTIVITIES

Private Tutor in Mathematics (1 year, 9 months)	Oct 2014 - Jul 2016
<ul style="list-style-type: none">Instructed more than 5 students on undergraduate-level math courses as a freelance. <i>Key courses:</i> Calculus I for Economics, Calculus II for Engineering, Basic Statistics for Economics, Mathematics Foundation of Derivatives.	