

EDUCATION

<b>National University of Singapore</b> PhD in Digital Financial Technology <i>Core Competencies: Empirical Asset Pricing, Continuous-time Finance, High-Dimensional Econometrics &amp; Deep Learning</i>	(Aug 2024 – May 2028)
<b>University of Oxford</b> MPhil in Economics <i>Core Competencies: Asset Pricing Theory, Advanced Real Analysis &amp; Measure Theory, Structural Estimation, Causal Inference</i>	(Oct 2022 – Jun 2024)
<b>University of Amsterdam</b> BA (Hons with Distinction) in Liberal Arts and Sciences (Social Sciences) <i>* Completed this 3-year honour program in 2 years</i>	(Sep 2020 – Jul 2022)
<b>Rice University</b> Math Camp for Economics PhD Students <i>Intensive training in Real Analysis, Linear Algebra, and Differential Equations.</i>	(May 2020 – Jul 2020)

RESEARCH INTERESTS

**Interests:** Empirical Asset Pricing, Demand System Asset Pricing, Financial Machine Learning

SELECTED PUBLICATIONS

<b>Market Agent Nexus: Agent-Based Simulation for Financial Forecasting</b> Kelvin J.L. Koa, Yuncong Liu, <b>Zhengxi Qian</b> , Qi Fu, Yunshan Ma, Ke-Wei Huang <i>Submitted to International Conference on Machine Learning (ICML), 2026</i> <i>Proposed a unified framework simulating financial forecasts and investor behavior using real-life 13F disclosures and self-evolving agent loops.</i>
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WORKING PAPERS

<b>Active Dispersion: Does it Measure Differential Information or Short-selling Constraints?</b> <i>(Work in Progress)</i>
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TEACHING EXPERIENCE

<b>National University of Singapore</b> Graduate Teaching Assistant for FT5005: Machine Learning for Finance; <i>Facilitated training and evaluation on the application of neural networks and gradient boosting methods in Empirical Finance.</i>	Jan 2026 – Present
<b>University of Oxford</b> Teaching Assistant for Macroeconomics (PPE Programme); Teaching Assistant for Microeconomics (PPE Programme);	2024 2023
<b>University of Amsterdam</b> Guest Speaker for Artificial Cognition (Undergraduate level);	2023 – 2025

GRANTS, AWARDS, AND HONOURS

<b>AIDF Scholarship</b> , Monetary Authority of Singapore	2024
<b>NUS Research Scholarship</b> , National University of Singapore	2024
<b>George Webb Medley Endowment Fund</b> , University of Oxford	2024
<b>Full Scholarship</b> , Amsterdam Scholarship Fund	2020
<b>Gold Award</b> , UK Maths Trust	2017

INDUSTRY & RESEARCH EXPERIENCE

NExT++ Research Center

Deep Learning Researcher (Part-time)

(Jun 2024 – Jun 2025)

*Project: Macro-financial forecasting using Pretrained Foundation Models*

*Conducted research on Macro-financial forecasting using Pretrained Foundation Models and Boosting algorithms under the NUS AIDF framework.*

SKILLS

Coding: Python,  $\text{\LaTeX}$ , R, Julia, SQL, Matlab, Dynare, EViews, C, C++, Stata, SPSS

Language: English (Full Professional), Chinese (Native), Dutch (Professional Working), Japanese (Intermediate)

Interest: Swimming, Cycling, Marathon, Triathlon