SITING (ESTEE) LU

PhD Student in Economics, The University of Edinburgh

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DOCTORAL STUDIES

PhD Student in Economics, The University of Edinburgh

Research Interest: Behavioural Economics, Game Theory, Searching and Matching, Adaptive Learning
Supervisors: Prof. Ed Hopkins & Dr. Axel Gottfries

📅 Oct 2020 – Aug 2025 (Expected)   📍 Edinburgh, United Kingdom

Visiting Scholar, Columbia University

Host Faculty: Prof. Michael Woodford

📅 Jan 2025 – May 2025 (Spring Semester)   📍 New York, United States

PREVIOUS EDUCATION

MSc Economics, Scottish Graduate Programme in Economics, The University of Edinburgh

Dissertation focus on Behavioural Game Theory

📅 Sept 2018 – Aug 2019   📍 Edinburgh, United Kingdom

Bachelor of Social Sciences with Honours in Economics, National University of Singapore

Specialized in Applied and Policy Economics

📅 Aug 2012 – June 2016   📍 Singapore

MAIN RESEARCH PROJECTS

Costly Job Search with Inattentive Workers

Keywords: Rational Inattention, Partially Directed Search

📅 Oct 2024

Incomplete information in the labour market remains an issue as workers can be inattentive and face decision on how much information to acquire and process before applying to jobs. This research extends on existing partially directed search model to account for diverse priors, multiple equilibria and heterogeneous attention costs.

Strategic Interactions between Large Language Models-based Agents in Beauty Contests

Keywords: Large Language Models, Competitive Games

📅 Apr 2024 (Accepted at *Economics and Business Review*)

The growing adoption of large language models (LLMs) presents potential for deeper understanding of human behaviours within game theory frameworks. This research examines strategic interactions among multiple types of LLM-based agents in a classical beauty contest game. The simulated results from variations of set-ups not only convey potential human behaviours, but also offer valuable understanding of strategic interactions among algorithms.

Evolution of Labour Market Mismatch through Adaptive Learning with Experience

Keywords: Adaptive Learning, Coordination, Job Search

📅 Apr 2025

This research provides an evolutionary perspective to job search. It uses reinforcement learning model and best response dynamics in a multi-agent setting to study how workers' application behavior change given past experiences, and if they could learn to effectively coordinate in both stationary and dynamic environments.

WORKING PAPERS

Economics Arena for Large Language Models (with Shangmin Guo, Haoran Bu, Haochuan Wang, Yi Ren, Dianbo Sui, Yuming Shang), 2024
Status Signalling with Luxury and Cultural Goods, 2020

OTHER WORK IN PROGRESS

Would Selective Recall from Past Experiences and Feedback Affect People's Judgement of Their Ranking
Replication Game (with Peter Moffatt, Stefania Sitzia and Graciela Zevallos)
Pre-play Communication (with Pedro González-Fernández)
Noisy Information Disclosure (with Jiaying Li and Jun Shen)

TEACHING EXPERIENCE

The University of Edinburgh

📅 Sep 2020 –   📍 Edinburgh, United Kingdom

Tutor, School of Economics.
ECNM08004 - Economic Principles (2020)
ECNM08013 - Economics 1 (2021, 2023, 2024)
ECNM08016 - Statistical Methods for Economics (2024)
ECNM10066 - Behavioural Economics (2022, 2023, 2024)

WORKING EXPERIENCE

Scottish Fiscal Commission

📅 Nov 2019 – May 2020   📍 Edinburgh, United Kingdom

Fiscal Analyst (Fixed Term). – Property Tax, Fiscal Forecasting

International Data Corporation Asia Pacific

📅 Jan 2018 – Jul 2018   📍 Singapore

Market Analyst in Big data, AI/Cognitive Computing Research. – Competitive Analysis, AI Consulting

Datarama Technology Pte Ltd

📅 Jun 2016 – Jan 2018   📍 Singapore

Research Analyst. – Data Sourcing, Data Architecture Design, Database Management, Risk Rating

SUMMER SCHOOLS/CONFERENCES/WORKSHOPS

EEA Congress 2025, Oral Presentation, 2025 *(Upcoming)*
15th Annual Conference of the French Association of Experimental Economics, Poster Presentation, 2025 *(Upcoming)*
2nd European Economic Review Summer School, Poster Presentation, 2025 *(Upcoming)*
Language Gamification Workshop at NeurIPS, Poster Presentation, 2024
1st Summer School in Experimental and Behavioral Economics, European Economic Review, Poster Presentation, 2024
Cognitive Foundations of Decision-Making Summer School (RISL$\alpha\beta$), Oral Presentation, 2024
FUR Conference: Foundations of Utility and Risk, Oral Presentation, 2024
The 33rd Advanced School in Economic Theory: Imperfect Cognition and Economic Behaviour, Poster Presentation, 2023
The 2nd Summer School of Computational and Experimental Economics (BESLab), 2023
SABE-IAREP Conference, Oral Presentation, 2023
10th Toulouse Economics and Biology Workshop, Poster Presentation, 2023
Toulouse Summer School in Quantitative Social Sciences, 2023
5th QMUL Economics and Finance Workshop for PhD & Post-doctoral Students, Oral Presentation, 2023
SGPE PhD Conferences, Oral Presentations, 2021 & 2023 & 2024
University of East Anglia Behavioral Game Theory Summer School, 2022
15th Annual International Symposium on Economic Theory, Policy and Applications Program, Oral Presentation, 2020

HONOURS & AWARDS

Economics Graduate Research Scholarship, 2025
Shortlisted for Student Tutor of the Year (University-wide), Teaching Awards 2024
The Scottish Economic Society Small Grants, 2023
Research and Training Scholarship, University of Edinburgh, 2020-2024

MISCELLANEOUS

Programming	Python, LaTeX, Mathematica, STATA, SQL - MS SQL, R (Basic), Mongodb (Basic), Neo4j (Basic), IBM i2 (Basic)
Certificates	DELF B1 and B2 French Attestation de Reussite, Financial Risk Management I
Languages	English, Mandarin Chinese, French (Intermediate, B2), German (Basic, A1)
Citizenship	Singapore

REFERENCES

Prof. Ed Hopkins
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👥 School of Economics, University of Edinburgh

Dr. Tatiana Kornienko
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