

# Likun (Sylvia) Tian

Email : l.tian6@lse.ac.uk  
Mobile : +44 7922 948691  
Website : <https://sylviatian.github.io>

## EDUCATION

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<b>London School of Economics and Political Science</b>	London, U.K.
<i>PhD/MRes in Economics (Distinction)</i>	2023 - 2028 (Expected)
<i>MSc in Econometrics and Mathematical Economics (Distinction)</i>	2020 - 2021
<b>University of Rochester</b>	Rochester, NY, U.S.A
<i>Bachelor of Science in Physics (Cum Laude; High Distinction for top 10% major GPA)</i>	2013 - 2017
<i>Bachelor of Arts in Financial Economics (Cum Laude; with Distinction)</i>	

## PROFESSIONAL EXPERIENCE

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<b>Edgeworth Economics</b>	Washington, DC, U.S.A.
<i>Senior Economic Consultant</i>	2018 - 2020
<i>Economic Consultant</i>	2017 - 2018
<ul style="list-style-type: none"><li>Supported expert witnesses on antitrust matters including price-fixing, class certification, and pay-for-delay, as well as employment discrimination and pro bono engagements</li><li>Conducted heterogeneity and robustness analyses on large-scale transaction, financial, and employment datasets using SAS and Stata to quantify damages and assess liability, contributing to expert rebuttal reports</li><li>Synthesised industry research and qualitative evidence to strengthen case narratives</li></ul>	

## RESEARCH EXPERIENCE

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<b>London School of Economics, Industrial Organisation Group</b>	London, U.K.
<i>Research assistant under the supervision of Prof. Alessandro Gavazza</i>	Jun 2025 - Dec 2025
<ul style="list-style-type: none"><li>Implemented and simulated a dynamic discrete-choice model of consumer inertia and price walking in the motor insurance market using MATLAB to evaluate how preference and inattention parameters affect equilibrium pricing</li><li>Analysed heterogeneity in household deposit patterns using the ECB Household Finance and Consumption Survey (HFCS), linking variation in savings behaviour to household characteristics and macroeconomic conditions.</li></ul>	
<b>Abu Dhabi Investment Authority (ADIA)</b>	London, U.K. (remote)
<i>Visiting researcher</i>	Jun 2024 - Jun 2025
<ul style="list-style-type: none"><li>Developed a first-order mean field game model of market microstructure in the dry-bulk shipping charter market</li><li>Applied proprietary data on ocean dry-bulk shipping contracts to provide empirical support for model simulations</li></ul>	
<b>University of Oxford, Economics Department</b>	Oxford, U.K.
<i>Research assistant under the supervision of Prof. Niclas Moneke (Oxford) and Prof. Torsten Figueiredo Walter (NYU Abu Dhabi)</i>	Nov 2020 - Dec 2024
<ul style="list-style-type: none"><li>Analysed geo-spatial, census, and various survey datasets in R to assess the heterogeneous effects of rural electrification on village-level private adoption in Zambia using a staggered difference-in-difference approach</li></ul>	
<b>London School of Economics, Public Economics Group</b>	London, U.K.
<i>Pre-doctoral research assistant under the supervision of Prof. Xavier Jaravel (LSE)</i>	Jul 2021 - Jun 2023
<ul style="list-style-type: none"><li>Conducted empirical analysis using the U.S. Consumer Expenditure Survey (CEX) data to measure long-run growth of real consumption and correct for bias under preference nonhomotheticity</li><li>Explored the magnitude of price and quantity pass-through of the 2020 German value-added tax (VAT) cut in response to Covid-19 using proprietary scanner data collected from multiple EU countries</li></ul>	
<b>International Growth Center (IGC)</b>	London, U.K.
<i>Research assistant</i>	Dec 2020 - Apr 2021
<ul style="list-style-type: none"><li>Cleaned and analysed firm-level employment and productivity datasets collected through the World Bank Enterprise Survey to study the various channels through which small and medium enterprises (SME) impact the aggregate economy and labour outcomes in developing countries over the past decade</li></ul>	

## PROGRAMMING SKILLS

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### Statistical Languages:

**R** (highly experienced), **Python** (highly experienced), **Stata** (highly experienced), **MATLAB** (experienced), **SAS** (experienced), **SQL** (experienced)

### Programming Languages:

**C/C++** (some experience), **Fortran** (some experience)

### Other Languages/Tools:

**QGIS** (experienced), **Bloomberg** (some experience), **Tableau** (some experience)

## WORKING PAPERS

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### The Social Value of Rural Electrification: Evidence from Zambia

*Jointly with Niclas Moneke and Torsten Figueiredo Walter*

We analyse the effects of electrifying schools and health facilities across 742 villages in rural Zambia, exploiting staggered grid roll-out and a government mandate to connect public infrastructure. Electrified schools attract more qualified teachers; electrified health facilities gain refrigeration, deliver more vaccinations and live births.

### Racial Steering by Real Estate Intermediaries

*Jointly with Davi Moura and Guilherme Jardim*

We develop a structural model of intermediated housing search to test whether buyer brokers engage in racial steering or reduce search costs by aligning buyer-seller preferences, using housing listing and transaction data.

## TEACHING EXPERIENCE

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### London School of Economics and Political Science

London, U.K.

*Graduate Teaching Assistant*

*2024 - Present*

- Class teacher for EC2C3 Econometrics I (average teaching evaluation 4.9/5 in 2024 - 2026)
- Class teacher for EC1C1 Econometrics I (teaching evaluation 4.7/5 in 2024 - 2025)

### University of Rochester, Mechanical Engineering Department

Rochester, NY, U.S.A.

*Teaching Assistant for ME 201/MTH 281 Fourier Analysis*

*2015 - 2017*

## LANGUAGE SKILLS & EXTRACURRICULAR

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**Language:** English (proficient), Mandarin (native), German (beginner to intermediate)

**Extracurricular:** Piano, Ballet, Boxing, Swimming