

## Education

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### University of Oxford, Nuffield College

*D.Phil. Economics*

2021-

*Supervisors: Banu Demir, Steve Broadberry*

### University of Oxford, Nuffield College

*M.Phil. Economics – Distinction & George Webb Medley Prize*

2019-2021

*Supervisor: Ferdinand Rauch*

### Humboldt University Berlin, Germany

*Economics*

2015-2019

### UCLA

*Economics*

2017-2018

## Job market paper

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### Trade and Urban Recovery

I study cities' recovery after a plague shock using granular trade data. Higher wages following the labour supply shock should have led to an exports contraction. To the contrary, exports grew and plagued cities expanded their trade networks, particularly in capital-intensive manufacturing. Plagued areas also became more innovative. Using a Ricardian model, I show that productivity growth outweighed wage increases, leading to the observed export boom. I find that plagued areas employed more capital-intensive production methods. Productivity advances lead to long-run wage increases and capital accumulation, beyond the Malthusian component explaining higher wages by lower population. My findings suggest that cities did not mechanically recover but actively adapted. Further, my paper argues that trade is a crucial mechanism explaining population recovery, permitting cities to specialise and serve foreign markets.

## Working papers

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### Networks in Trade – Evidence from the Legacy of the Hanseatic League (with Stephan Maurer and Ferdinand Rauch)

*under review*

We study trade networks following the decline of the Hanseatic League, using a novel trade data set that covers cities and traders in Northern Europe over 190 years. By the time of its dissolution in 1669, trade on former Hansa routes is within predictions from a gravity framework. However, traders continue to shape the composition of trade: Hanseats' trade within the former network exceeds gravity predictions for centuries. We argue that we identify a network effect, reflecting trading capital at the level of individual traders. Our paper highlights the long-run stability of networks, maintained at the level of individuals. This amplifies previous findings on the role of networks.

### AI and Services-Led Growth: Evidence from Indian Job Adverts (with Alex Copestake, Ashley People, and Katherine Stapleton)

*under review*

We document near-exponential growth in the demand for artificial intelligence (AI)-related skills in India's services sector since 2016, using a new dataset of online vacancies from its largest jobs website. This coincides with the take-off in developed countries, and is driven by the largest firms and high-tech clusters. We evaluate the impact of demand for AI skills on establishment-level non-AI postings, using a shift-share design that exploits variation in exposure to new AI inventions. We find negative effects on posting volumes and wage offers, particularly for highly skilled managerial and professional occupations, non-routine work, and analytical and communication tasks.

## Work in progress

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Industrial Policy and the East Asian Growth Miracle (with Réka Juhász, Nathan Lane, and Kristen Yang)

Useful Knowledge (with Eric Chaney, Alexandra de Pleijt, and Julius Koschnick)

AI and Offshoring (with Kristen Yang)

## Research experience

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### Research Assistant

*University of Warwick (under Professor Marta Santamaria)*

2021, 2022

### Research Assistant

*University of Oxford (under Professor Nathan Lane)*

2021-2022

### Research Assistant

*University of Oxford (under Ashley Pople and Alexander Copestake)*

2021

### Research Assistant

*University of Oxford (under Professor Ferdinand Rauch)*

2020-2021

### Research Assistant

*UCLA (under Professor Aaron Tornell)*

2017-2018

## Teaching experience

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### Teaching Assistant

*Department of Economics & Said Business School, University of Oxford*

2021-2024

*Economics I & II, Master's in Financial Economics*

### Teaching Assistant

*Department of Economics, Humboldt University, Berlin*

2024

*Introduction to Econometrics*

### Seminar instructor

*Department of Economics & Department of History, University of Oxford*

2021-2023

*Economics for Economic Historians, MPhil and MSc Economic and Social History*

### Tutor

*Microeconomics, New College; Quantitative Economics, Mansfield College*

2023, 2024

## Awards

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### George Webb Medley Prize for the best thesis (proxime accessit)

*University of Oxford*

2021

### Henrike und Dr. Thomas Kurze Prize for best graduate in Economics

*Humboldt University Berlin*

2019

### Dean's Honors List

*UCLA*

2018

## Scholarships

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### Department of Economics Bursary

*University of Oxford*

2023-2024

### Oxford-Terence Gorman Graduate Scholarship

*University of Oxford*

2021-2023

### Clarendon Scholarship

*University of Oxford*

2019-2021

### Studienstiftung des deutschen Volkes, Stipendiat

*German Academic Scholarship Foundation, Scholar*

2016-2021

### Economics Undergraduate Research Fellow

*UCLA*

2017-2018

### Accounting and Finance Fellow

*Humboldt-Universität zu Berlin*

2016-2018

## Conference and seminar presentations

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**Annual Cliometric Conference (scheduled)**

*American University, Washington D.C.* 2024

**Spatial Economics Research Seminar (scheduled)**

*Berlin School of Economics* 2024

**Empirical Investigations in Trade and Investment, EITI**

*Jakarta, Indonesia (FREIT)* 2024

**Annual Meeting of the Danish Society for Economic and Social History**

*Copenhagen Business School* 2023

**European Economic Association Meeting**

*Barcelona School of Economics* 2023

**World Congress of Cliometrics**

*Trinity College Dublin* 2023

**Transatlantic Doctoral Conference in Economics**

*London Business School* 2023

**Urban Economics Association Conference**

*Bocconi University* 2023

**GEP/CEPR Postgraduate Conference**

*University of Nottingham* 2023

**Urban Economics Association Conference**

*London School of Economics* 2022

**Economic and Social History Graduate Seminar**

*University of Oxford* 2022, 2023

## Professional activities

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Co-convenor of the Economic and Social History Graduate Seminar

*University of Oxford* 2021-2023

JCR President

*Nuffield College, University of Oxford* 2021-2023

## Skills

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**Coding:** Proficient in Stata, LaTeX, and ArcGIS

**Languages:** German (native), English (fluent), French (fluent), Russian (advanced), Italian (advanced)