

# Kate Ellison

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## EDUCATION

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### Massachusetts Institute of Technology

Cambridge, MA

*PhD in Economics*

*Sept 2025 –*

- Interests: labor economics

### Massachusetts Institute of Technology

Cambridge, MA

*BS in Economics, Minor in French*

*Sept 2021 – June 2025*

- Thesis: The Effects of Pay Transparency on Bonuses and the Gender Pay Gap
- Winner of the AMITA award given to two senior women across MIT for academic excellence
- Winner of MIT Undergraduate Economics Association Journal Competition
- Elected to Phi Beta Kappa
- 2023 Burchard Scholar
- GPA: 5.0/5.0

## EXPERIENCE

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### Teaching Assistant

Sept 2022 – May 2025

*Massachusetts Institute of Technology*

*Cambridge, MA*

- Teaching assistant for microeconomics and macroeconomics
- Responsibilities include holding recitations and office hours, grading, and writing problem sets and exams.
- Same responsibilities as a PhD TA
- Teaching assistant for Esther Dufo, Ricardo Caballero, David Autor, and Bradley Setzler

### Investment Associate Intern

June 2024–August 2024

*Bridgewater Associates*

*Westport, CT*

- Developed investment strategies at one of world's largest hedgefunds
- Wrote research pieces and trade pitches for financial markets, specializing in the Swiss equity market
- Developed a data-driven system for trading global equity markets
- Received a return offer for the full-time Investment Associate position

### Economic Analyst

June 2022 – August 2022

*Smart Immune*

*Paris, France*

- Developed an algorithm to perform economic analysis of the company's pharmaceutical products
- Derived concrete product valuations under different sets of parameters
- Collaborated with different branches at the company to incorporate a wide variety of expertise and opinions into the algorithm
- Worked closely with company management to build a sustainable business model

### Math Enrichment Teacher

Sept 2017 – May 2024

*self-employed*

*Cambridge, MA*

- Taught more than a dozen students throughout elementary and middle school
- Focused on competition style math and prioritized problem-solving and analytical thinking skills
- Led a training camp for the Tunisian National Math Team in preparation for the International Mathematics Olympiad through MIT's Global Teaching Labs program

## RESEARCH POSITIONS

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### Researcher | *London School of Economics*

June 2023 – August 2023

- Worked for Clare Balboni, Robin Burgess, and Oriana Bandiera at STICERD
- Analyzed the impact of big-push poverty alleviation programs on climate resilience in rural Bangladesh
- Analyzed the impact of road construction on pollution and life outcomes in Pakistan
- Data analysis and modeling performed using Stata and ArcGIS

### Undergraduate Intern | *MIT Blueprint Labs*

May 2023 – July 2023

- Worked for Daron Acemoglu and Simon Johnson at Blueprint Labs
- Created outreach materials for the book *Power and Progress: Our Thousand-Year Struggle Over Technology and Prosperity*, including memos and educational materials
- Worked more broadly with the Initiative to develop policies to shape the future of work in the era of AI

## PUBLISHED PAPERS

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**The Effect of Quotas on Wages: The Homegrown Player Rule in the Premier League**  
The MIT Undergraduate Journal of Economics (2025)

## WORKING PAPERS

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**The Effects of Pay Transparency on the Bonuses and the Gender Pay Gap**

## TECHNICAL SKILLS

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**Languages:** English (Native), French (Fluent)

**Programming:** Python, Numpy, Pytorch, R, Stata, ArcGIS

**Additional Skills:** Applied microeconomics, macroeconomic analysis, equity valuation, statistical analysis, product valuation, machine learning modeling, strong oral presentation and interpersonal skills, written communication, teaching