

Callum Shaw

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EDUCATION

London School of Economics and Political Science

MRes /PhD Economics and Econometrics

London, UK

September 2020 – Present

- Distinction in MRes (2020-2022)
- Advisors: Martin Pesendorfer, Ronny Razin

University of Oxford – Christ Church College

BA Philosophy, Politics and Economics, First Class Honours

Oxford, UK

October 2014 – June 2017

- John Hicks & George Webb Medley Economics prize for performance in Final examinations; ranked third in year for PPE
- Awarded Distinction and scholarship in first year for performance in preliminary examinations

Norton Knatchbull Grammar School

UK

2007 - 2014

- GCE 'A'-levels: Mathematics A*, Further Mathematics A*, Chemistry A*, Physics A* and English Literature A*
- GCSE : 12 A* grades: Mathematics, Statistics, Chemistry, Physics, Biology, English Literature, English Language, History, Music, French, Spanish, Religious Studies and a distinction in DIDA (Information Technology)

PAPERS

Job Market Paper:

Quantifying Echo Chambers and Their Impact on News Engagement: Evidence from a Facebook Algorithm Update 2025

Abstract: I show that social media platforms face incentives to make algorithmic design choices which amplify misinformation and polarization in news consumption. I study how the structure of online social networks - specifically, the degree of homophily in user connections - affects the news engagement decisions made by users on the platform. Leveraging a 2018 Facebook algorithm update that exogenously increased network homophily, I estimate its causal impact on the reliability of viral news and the tribalism of user engagement behaviour. The analysis combines a model of rational news sharing - where users gain utility from re-sharing factual news content and from positive feedback on their posts - with data from the Facebook platform to estimate the size of the increase in homophily, and its impact on news engagement. I find that greater network homophily increases engagement with less reliable news and heightens tribal patterns of media interaction through an "agitation bubble" effect. These results show that echo chambers on social media not only reflect existing polarization but actively amplify it. Because the algorithm change benefited the platform, the findings highlight a misalignment between platform incentives and the objective of a well informed population.

Other papers/ Works in Progress:

The Impact of Social Media Bargaining on Media Market Competition 2025

If it Bleeds, it Leads: Multivariate Firm Objectives with Concave Argument 2024

Informational Boundaries of the State 2023

Vertical Integration in Online advertising intermediation 2021

PROFESSIONAL WORK EXPERIENCE

Amazon

London

Economist Intern – Economic Decision Science (Applied Science) EU Stores

May – September 2025

Quantco

London

Data Science Intern

May – September 2024

Ofcom

London

Economics PhD Intern

April – June 2023

Efficio Limited

London

Consultant

July 2018- September 2020

Brainlabs Digital

London

Account manager

September 2017- July 2018

Teaching

- **Microeconomics for undergraduate students, (Courses: EC1A1, EC1A3, EC1A5)**
Graduate Teaching Assistant
- **Macroeconomics for undergraduate students, (Courses: EC1B1)**
Graduate Teaching Assistant