FILIP MILOJEVIĆ

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EDUCATION

London School of Economics and Political Science (LSE)   Aug 2023 – Jun 2024
London, UK
MSc Econometrics and Mathematical Economics – Distinction

Ludwig-Maximilians-University (LMU) Munich   Oct 2020 – Sep 2023
Munich, Germany
BSc Economics – GPA 1.05 / 5.00 (1.00 = best grade); Valedictorian Award (Ranked 1st in class of >300)

University of Warwick   Sep 2022 – Apr 2023
Coventry, UK
Visiting Student via Erasmus+ Scholarship

RESEARCH

Non-User Utility and Market Power: The Case of Smartphones
(Coauthored with L. Bursztyn, R. Jiménez-Durán, A. Leonard, and C. Roth)
NBER Working Paper | Available here.
Shows how Apple's green bubble messaging design creates "non-user disutility" through social stigma and entrenches market power. Programmed surveys with incentive-compatible BDM mechanisms using multiple price lists to elicit willingness to pay (WTP) to deactivate iPhone features and measure Android take-up under alternative scenarios. Implemented LLM pipelines to quantify text data and ran regressions estimating welfare losses from product incompatibility.

Measuring Markets for Network Goods
(Coauthored with L. Bursztyn, M. Gentzkow, R. Jiménez-Durán, A. Leonard, and C. Roth)
NBER Working Paper | Available here.
Develops a framework for market definition in zero-price goods, using uncertainty about a TikTok ban to compare individual and collective valuations and derive antitrust-relevant substitution patterns on social media platforms. Engineered Python/OCR pipelines to extract app-usage metrics from Screen Time screenshots. Estimated diversion ratios with Wald estimators to quantify the gap between individual and collective market definition using WTP data.

The Attention Economy
(Coauthoring with L. Bursztyn, A. Imas, R. Jiménez-Durán, and C. Roth)
Investigates the trade-off between user engagement and ad effectiveness on TikTok and YouTube, documenting an "attentional crowd-out" effect: more engaging content and higher ad-content similarity reduce ad recall. Built a computer vision pipeline processing video data (10 fps) via OCR and deployed LLMs to classify brand exposure. Generated embeddings to quantify ad-content similarity and its impact on memory interference.

Market Power in Mobile Money Markets
(Coauthoring with D. Burd and A. Leonard)
Designed field experiment in Kenya using randomized information interventions to causally disentangle compatibility frictions from network quality beliefs. Co-designed the intervention protocols and led the design of the $N = 200$ pilot in Feb 2026. Supported by the Kenneth C. Griffin Applied Economics Incubator grant.

The Vote-Buy Gap as a Coordination Failure
(Coauthoring with A. Leonard)
Co-designed experiments on vote-buy gaps and tested equilibrium selection; analyzed experimental data documenting coordination failures between support for mandates and personal adoption.

The Struggle for a Monopoly on Power in the Local Economy
Master's Thesis   (Advisor: M. Ghatak; awarded Distinction)
Developed a dynamic model of government recapture and estimated welfare effects using oil-price-driven 2SLS. Found suggestive evidence that military expansion into cartel-controlled areas reduced value-added.

The Welfare Effects of Expanding State Capacity: Evidence from Colombia
Bachelor's Thesis   (Advisor: D. Cantoni; awarded highest grade of 1.0/5.0)
Constructed a Colombian municipal panel (1999–2009); used dynamic Difference-in-Differences to estimate oil-price effects on military presence. Documented heterogeneity consistent with a "rapacity effect".

RESEARCH AND TEACHING EXPERIENCE

Research Specialist with Leonardo Bursztyn, Normal Lab, University of Chicago   **Jul 2024 – Present**
Coauthor on three projects. Engineering datasets integrating unstructured digital trace data (screen recordings, device logs) and survey data using SQL, Python, and R. Developing and deploying online experiments, implementing randomized interventions and A/B tests. Mentored six undergraduate RAs.

Research Assistant to Claudia Steinwender, LMU Munich   **Jun 2022 – Jul 2023**
Automated processing of historical trade archives using OCR in Python to construct panel datasets ($>$100k observations), implemented reduced-form regressions and robustness checks in trade and innovation projects.

Research Assistant to Klaus M. Schmidt, LMU Munich   **Jun 2021 – Sep 2022**
Programmed simulations to calibrate game and auction theory models, designed experimental protocols for behavioral lab studies, and synthesized literature on mechanism design.

Teaching Assistant to Oliver Falck (Intermediate Microeconomics), LMU Munich   **Oct 2021 – Feb 2022**
Instructed weekly review sessions for $\sim$200 students. Developed original problem sets and solutions in LaTeX covering consumer theory and general equilibrium.

GRANTS, HONORS, AND SCHOLARSHIPS

2025   Kenneth C. Griffin Applied Economics Incubator Grant ($9,500)
2023   Prize of Young Economists (LMU Valedictorian Award, $500)
2023   LMU Research Prize for Excellent Students (awarded to top five theses university-wide, $1,000)
2023   DAAD Scholarship (for postgraduate studies at LSE)
2023   Max Weber Scholarship (Top 0.5% of Bavarian students)
2022   Germany Scholarship (Top 1% of German students)
2022   Certificate for Outstanding Achievements in Econometrics Data Project
2021   Munich Honors Program in Economics and ECONnect Scholarship (Top 1% of cohort)
2021   First Place Team, LMU ECON Slam (out of 80 teams)

CONFERENCES AND SEMINARS

2025 ECONtribute and C-SEB Design & Behavior Seminar (University of Cologne)
2023 World Congress of Undergraduate Research (University of Warwick)

SERVICE AND LEADERSHIP

Research Advisor, NOMO Technologies, Inc.   **2024 – Present**
Member, Sponsorship & Partnerships Team, Warwick Economics Summit   **Sep 2022 – Apr 2023**
Student Exchange Officer, Warwick European Society   **Sep 2022 – Apr 2023**
Elected Representative, Student Council WASTI e.V. (Economics)   **Jun 2021 – Sep 2023**

SKILLS AND LANGUAGES

Languages: German (Native), Serbian (Native), English (Fluent)
Software: Python, R, Stata, LaTeX, SQL, MATLAB