

EDUCATION

- **University of Oxford** Oxford, UK
Master of Philosophy in Economics; with distinction October 2016 – June 2018
 - **Master's Thesis:** “*Spatial Inefficiencies in Africa's Trade Network*” – conducted a large-scale network optimisation exercise to construct a novel dataset on suboptimal trade routes for the entire African continent. Showed econometrically how infrastructure investments from colonial times lead to persistent spatial network inefficiencies. Supervised by Prof. Ferdinand Rauch. Awarded distinction.
 - **Core Coursework:** Macroeconomics, Microeconomics, Econometrics, Mathematical Methods
 - **Electives:** Machine Learning, Big Data Econometrics, Advanced Macroeconomics, Development Economics, Urban Spatial Economics, Micro-finance
- **Ludwig Maximilians University Munich** Munich, Germany
Bachelor of Science in Economics; final grade: very good (1.18) April 2014 – July 2016
- **Toulouse School of Economics** Toulouse, France
Exchange semester August 2015 – December 2015
- **Technical University Munich** Munich, Germany
Bachelor of Science in Management and Technology; with distinction (1.40) October 2012 – July 2015
- **St. Anna Gymnasium Munich** Munich, Germany
Abitur (A-levels); 1.0 (highest possible grade) October 2004 – July 2012

IT PROFICIENCY

- **R:** full research proficiency
 - **Econometric Analysis:** Experience from extensive research for two Bachelor's dissertations and a Master's thesis. Implemented all most-common econometric estimation methods. Also conducted Monte-Carlo simulations, constructed non-standard covariance-estimators, and wrote own function to examine confounding power of selection on observables.
 - **Big Data:** Implemented Machine Learning tasks recognizing linguistic patterns in central bank reports and political speeches. Built large-scale dataset by extracting travel information from online routing service.
 - **Various:** Conducted spatial analysis (shortest-path routing, polygon matching). Simulated off-equilibrium dynamics in game-theoretical setting. Summarised findings in concise scientific graphs and maps.
- **STATA:** advanced proficiency
 - **Household Surveys:** Worked with both the German *G-SOEP* and the American *Survey of Consumer Finances* datasets to investigate consumption patterns among mortgage borrowers.
 - **Laboratory Research:** Analyzed labor market interaction from own experimental research project.
- **Matlab:** advanced proficiency
 - **Large-scale Optimization:** Conducted research on optimal flows through calibrated trade-networks and implemented a computationally-friendly strategy to optimise over the space of possible networks in order to detect inefficiencies. Produced multidimensional network graphs to visualise findings.
 - **Simulation:** Solved and simulated macroeconomic DSGE environments as well as structural models in a development economics context.
- **Other:** GIS (basic), Python (basic), Git (basic), zTree, Latex, Office

WORK EXPERIENCE

- **ifo Institute for Economic Research** Munich, Germany
Research Intern Summer 2016 (2 months)
 - **Policy Evaluation:** Developed a research strategy to causally identify the welfare effects of two policy interventions on the German transport sector.
 - **Data Collection:** As part of the research cluster on Industrial Organization, helped with constructing a dataset on structural breaks within 100+ European industries.
 - **Research Seminars:** Attended and helped run various research colloquia, discussion groups, and brown-bag seminars.

- German Bundestag** Berlin, Germany
Intern *Spring 2016 (1 month)*
 - **Policy Research:** Supported the parliamentary bureau of MP Christian Flisek with background research on policy proposals, opposition, and paths to political consensus.
 - **Committee Meetings:** Supported MP in meetings of Parliamentary Committees on Legal Affairs and Digital Agenda, including writing policy memos and abstracts.
 - **Public Appearances:** Developed communication strategies for MP at political events, panels, and talks and drafted outlines for speeches in Parliament.
- Webasto SE.** Munich, Germany
Student Consultant, Joint with TU Munich *Fall 2014 (5 months)*
 - **Market Analysis:** Employed multiple scenarios to create quantitative models for predicting growth patterns in the electrical mobility sector.
 - **Product Evaluation:** Based on estimated market forecasts, assessed three strategies of market entry for their economic viability.

STIPENDS AND AWARDS

- **German National Academic Foundation:** Fellow *since 2012*
- **German Academic Exchange Service:** Scholarship for Graduate Studies *2017 – 2018*
- **Europaeum:** Jenkins Memorial Scholar 2017 at the University of Oxford *2016 – 2017*
- **LMU Munich:** Research Prize for student project on reciprocity in the laboratory *2016*
- **TU Munich Economics Department:** Prize for one of the best undergraduate theses *2015*
- **TU Munich Economics Department:** Acceptance to the Dean's List *2015*

OTHER RELEVANT EXPERIENCE

- **Oxford University Strategic Studies Group:** *Student Society focusing on International Affairs* *2017 – 2018*
 - **Committee Member:** Helped organizing weekly events on current issues in national security and international relations. Recent speakers include Hala Gorani (CNN), Sir Richard Dearlove (MI6), and Lynne Owens (NCA).
 - **Treasurer:** Responsible for overseeing the society's finances and implementing an online tool to more efficiently administer membership data. Also wrote multiple successful applications for external funding.
- **St. Antony's College Boat Club, Oxford:** *Collegiate Rowing Club* *2017 – 2018*
 - **Men's Captain:** Responsible for administering day to day operations, including scheduling training plans, recruiting rowers, and hiring professional coaches. Oversaw the introduction of an optional gender neutral rowing track into the organisation.
 - **Social Media Officer:** Streamlined the club's online profiles on various social media platforms.
- **Oxford University:** Research Assistant to Oxford academics Agnes Kovacs and Patrick Moran *Summer 2017*
- **Munich Kammerspiele Theatre:** Moderator of 7 month interdisciplinary seminar "Reading Piketty" *2016*
- **German National Academic Foundation:** Organiser of 10 day study trip to Moscow, Russia. *2016*
- **TSEconomist Student Newspaper:** Assistant Editor *2015*

SKILLS

- **Languages:** German (native), English (fluent), French (advanced, B1), Russian (basic, A1)
- **GRE:** Quant: 168, Verbal: 163, Writing: 5.5

REFERENCES

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