

PAWEL RYBACKI

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SKILLS & INTERESTS

- UChicago/Harvard-trained economist with international background and exceptional skills in data analysis, data science, data visualization, and economic research
- Advanced Skills: R, Stata, SQL
- Proficient Skills: Python, Excel, PowerPoint, GitHub
- Select Coursework: Econometrics (Forecasting), Statistical Modeling (Big Data Predictions), Programming, Data Visualization, Network Analysis, Probability, Real Analysis, Microeconomics, Macroeconomics
- Languages: Polish (native), English (fluent), Italian (intermediate), German (basic)

EDUCATION

University of Chicago, Chicago, IL

M.A., Social Sciences (MAPSS); Economic Sociology (GPA: 3.9/4.0)

August 2022

Harvard University, Cambridge, MA

B.A., Cum Laude & High Honors, Economics (GPA: 3.8/4.0)

May 2021

Awards

Maroon Scholar Research Award Scholarship (\$30,600),

Harvard Center for International Development and Harvard Kennedy School Malcolm Wiener Center Joint Award (\$3,500),

Harvard Weatherhead Center K. I. Juster Fellowship (\$4,000); Harvard Ukrainian Research Center Grant (\$2,000),

D. Rockefeller Int. Experience Fund (\$7,000); Weissman Int. Internship Program (\$3,340), T. R. Diaco Memorial Grant (\$2,000)

RESEARCH AND PROJECT EXPERIENCE

University of Chicago, Chicago, IL

Researcher, *The Rise of a Digital Challenger Bank*

January 2022 – August 2022

- Produced a business case study to explain Revolut's strategy to become a leader of the digital revolution in banking
- Found that Revolut owes its success to agility, adaptivity, data-driven work culture, friendly face, and excellent user experience
- Produced 17 exhibits, including calculations, network analyses, and graphs visualizing and contextualizing Revolut's success

Data Visualization Team Project: The Russo-Ukrainian War

May 2022 – June 2022

- Led teamwork on app layout and functions; Built an interactive dashboard in R and Shiny for analyzing events across time and space

Confidential Clients, Remote

Consultant

August 2021, July 2022

- Developed a Vector Autoregressive model for oil price forecasting; Visualized predictions; Delivered investment recommendations
- Advised a team of engineers on potential new app leveraging client's existing capabilities and services
- Portrayed payment app landscape for Fintech company considering Polish market entry

Harvard University, Cambridge, MA

Researcher, *"The Persistent Economically Significant Cultural Consequences of the Partitions of Poland"* September 2020 – May 2021

- Obtained a *Summa*- grade; Found negative effects of Russian occupation on social capital in Poland
- Raised \$9,500 to fund research and obtained 3,150 survey responses
- Managed and executed all aspects of a high-quality research project under minimum supervision
- Gathered and analyzed spatial data in Stata and R; Solved problems with data consistency and accuracy

Researcher, *Papers in Empirical Economics*

February 2019 – May 2021

- Built an econometric model with instrumental variables in Stata; Discovered statistically significant effects of beliefs on health
- Produced 11 scripts and combined ten datasets in Stata; Investigated a relationship between decentralization and infrastructure

CS 50 Project: Capturing Memories Across Time and Space

September 2019 – December 2019

- Created a blog in HTML, CSS, Python, SQL for sharing, preserving, and organizing personal stories as parts of the universal history

Harvard Graduate School of Education, Cambridge, MA

Research Assistant, Professor Emmerich Davies

February 2019 – October 2020

- Programmed 7 comprehensive cleaning and reporting scripts in R and Stata for tracking household educational expenditures in India
- Managed large and complex datasets with 18 million observations in Stata using Harvard/MIT Research Computing Environment
- Designed coding rules and reviewed, corrected, and fixed 75+ bugs in R and Stata code to optimize data scraping and cleaning

Ministry of Entrepreneurship and Technology, Warsaw, Poland

Summer Intern, Department of Economic Analysis

July 2019 – August 2019

- Independently developed 13 economic indicators and SQL queried to analyze data on expenditures and capital use efficiency