PAWEL RYBACKI

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A UChicago/Harvard-trained economist with exceptional skills in data analysis and economic research

SKILLS & INTERESTS

- Interests: Financial Technology, Data Science, Behavioral Economics, Economic Sociology, Public Policy
- Skills: Data Collection, Cleaning, Analysis, and Visualization; Surveys; Research Design; Proposals and Reports
- Technical: Stata, R, Python, SQL, LaTeX, Excel, Word, PowerPoint, HTML, CSS, GitHub, Gephi, Gimp
- Select Coursework: Quantitative Methods, Econometrics, Statistical Modeling, Network Analysis, Probability, Real Analysis
- Languages: Polish-English Bilingual, Italian (Intermediate), German (Basic)

EDUCATION

University of Chicago, Chicago, IL
M.A., Social Sciences (MAPSS); Economic Sociology (GPA: 3.9)   *Expected: August 2022*

Harvard University, Cambridge, MA
B.A., Cum Laude & High Honors, Economics (GPA: 3.8)   *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, A Case Study of Digital Challenger Banks   *January 2022 – present*
- Found a low density of the interconnections and a negative relationship between centrality and profitability
- Produced network analyses and graphs visualizing investment patterns, ownership structure, interlocks, and Twitter interactions
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 14 statistical output tables in Stata; Analyzed the impact of communism on generalized trust; Found selection bias
- 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