Samuel E. Ross

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EDUCATION

- **Haverford College** — Haverford, PA

  B.S. in Mathematics & Economics, Minor in Statistics; GPA: 3.98; Major GPAs: 4.0 — *Aug. 2021 – May 2025*
  - **Selected Coursework:** Abstract Algebra, Advanced Econometrics, Complex Analysis, Functional Analysis, Graduate Microeconomics I (UPenn), Machine Learning, Macroeconomics, Measure Theory, Real Analysis
  - **Study Abroad:** Budapest Semesters in Mathematics (Spring 2024)
  - **Athletics:** Varsity Cricket (Batsman, Team Manager)
  - **Thesis:** "Central Bank Credibility and Exchange Rate Determination with Financial Intermediaries" (Draft)
  - **Service:** Tenure-Track Economics Faculty Hiring Committee (2024–25)

EXPERIENCE

- **Harvard University, Department of Economics** — Remote

  Research Assistant for Professor Kenneth S. Rogoff — *Aug. 2023 – Present*
  - **Global Role of the Dollar Book:** Gathered research for a forthcoming book about dollar dominance. Constructed analyses illustrating international macroeconomic trends using data from LSEG Refinitiv, IMF, World Bank, etc.

- **Federal Reserve Bank of New York** — New York, NY

  Summer Analyst, Macroeconomic and Monetary Studies, DSGE — *June 2024 – Aug. 2024*
  - **HANK Software:** Wrote a Julia package that implements the Sequence-Space Jacobian method of Auclert et al. (2021) to efficiently solve Heterogeneous-Agent New Keynesian (HANK) DSGE models. Software facilitates analysis of the distributional consequences of monetary and fiscal policy for research and internal Bank reports.

- **Federal Reserve Board of Governors** — Washington, DC

  Year-round Intern, Stress Testing Research — *June 2023 – Jan. 2024*
  - **Corporate Debt Paper:** Co-authored a working paper (submitted to WFA) about the transmission of monetary policy through the corporate loan market. Merged, cleaned, and analyzed large regulatory datasets (SNC, Y-14Q, Y-9C) using SQL, Stata, and Python. Retained part-time during the academic year to continue this work.

- **Haverford College, Department of Economics** — Haverford, PA

  Research Assistant for Professor Carola Binder — *Mar. 2022 – Aug. 2022*
  - **Price Controls Book:** Gathered primary sources and wrote passages for a book about historical price controls in the United States (*Shock Values*, University of Chicago Press, 2024).

WORKING PAPERS

- "Leveraged Loans and the Transmission of Monetary Policy" (with Murillo Campello and Teng Wang)

ACTIVITIES

- **Haverford Economics Club** — Haverford, PA

  Co-Founder & Co-Head — *Oct. 2021 – Present*
  - **Covid Reopening Extension:** Led a team extending Chetty et al. (2020). Built a Python web scraper to crawl the *New York Times* for states' sector-level Covid reopenings, then used synthetic controls to evaluate their impact on employment and consumption. Presented at the INET YSI Webinar on Replication in November 2022.

- **Haverford Problem Solving Group (Math Club)** — Haverford, PA

  Founder & Co-Head — *Aug. 2021 – Present*
  - **Competition Math Events:** Host weekly competitive mathematics training events. Led Haverford to top-20 national placement in the 2021 and 2022 Putnam exams.

SKILLS SUMMARY

- **Awards:** The Michael M. Weinstein Prize in Economics (HC, 2024), Class of 1896 Prize in Mathematics (HC, 2023)
- **Programming:** Java, Julia, LaTeX, Mathematica, MATLAB, Python (TensorFlow, Keras, sklearn), R, Stata, SQL
- **Tools:** Git, LSEG Refinitiv, Microsoft Office (Excel, PowerPoint, Word), Tableau, Unix, Vim, Zotero
- **Languages:** English (Native), French (Proficient)