Samuel E. Ross

LinkedIn: https://www.linkedin.com/in/samueleross/   Email: mail@samueleross.com
GitHub: https://www.github.com/samueleross/   Mobile: +1 (703) 340-4491

EDUCATION

- **Haverford College** — Haverford, PA
  B.S. in Mathematics & Economics; 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
  - **Athletics:** Varsity Cricket (Batsman, Team Manager)
  - **Thesis:** "Central Bank Credibility and Exchange Rates: The Role of Financial Intermediaries" (In progress)

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. Built charts 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 — *Jun 2024 – Aug 2024*
  - **HANK Solution 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 — *Jun 2023 – Jan 2024*
  - **Corporate Debt Paper:** Currently co-authoring a journal article about the transmission of monetary policy through the corporate loan market. Merged, cleaned, and analyzed several large regulatory datasets (SNC, Y-14Q, Y-9C) using SQL, Stata, and Python. Retained part-time during the academic year to continue this work.
  - **CECL Impact Project:** Used synthetic controls to study the impact of the CECL accounting standard on bank lending and net allowances, extending a FEDS Note (Loudis et al., 2021).

- **Haverford College, Department of Economics** — Haverford, PA
  Research Assistant for Professor Carola Binder — *May 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).
  - **Magazine Review:** Wrote a review of *Can't we just print more money?* (Patel, Meaning, and Bank of England, Cornerstone Press, 2022) that was published in *Central Banking* magazine with my supervisor and a colleague.

ACTIVITIES

- **Haverford Economics Club** — Haverford, PA
  Founder & Co-Head — *Oct 2021 – Present*
  - **Covid Reopening Extension:** Led a team extending Chetty et al. (2020). Built a Python web scraper to crawl *New York Times* archives for data on states' Covid reopening timelines, then used synthetic controls to evaluate the impact of different sectors' reopenings on employment, spending, and business activity. Presented at a joint University of Göttingen–Institute for New Economic Thinking (Young Scholars Initiative) webinar 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 (Hav., 2024), Class of 1896 Prize in Mathematics (Hav., 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)