Ethan Goldberger

Department of Economics, University of Virginia, Charlottesville, VA
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Education

University of Virginia Charlottesville, VA
B.A., Economics and Mathematics; Minor in Physics 2024 – May 2028 (expected)
GPA: 3.96/4.00 GRE: 170 Quantitative, 167 Verbal

Research Interests

Public finance (federal debt dynamics and interest rates); health economics (nationalized health care); occupational licensing; welfare economics (social welfare weights); economic growth

Research Experience

Department of Economics, University of Virginia Charlottesville, VA
Research Assistant to Professor Basil Halperin 2026 – present
- Research on economic growth and productivity, including growth-accounting estimates of U.S. total factor productivity and replication of published empirical results

Genomics Research, University of Virginia Charlottesville, VA
Research Assistant Sept. 2025 – present
- Estimate mixed linear models on large-scale genetic sequence data to study heart-disease phenotypes, using a high-performance computing cluster
- Use genetic relatedness matrices and colocalization analysis to separate causal signals from correlated variation
- Develop reproducible R and Unix workflows for large-scale statistical modeling

Professional Experience

Optiver
Quantitative Intern (incoming) Summer 2027

Capital One McLean, VA
Business Analyst Intern June – Aug. 2026
- Estimated the effects of controlled business tests on outcomes in other business units using instrumental-variable methods
- Modeled the enterprise value of credit-card upgrade strategies with time-series methods across banking, auto, and retail segments
- Built SQL and Python pipelines to process and analyze test results

Relevant Coursework

Mathematics: Real Analysis, Algebra, Advanced Linear Algebra, Probability, Stochastic Processes
Economics: Microeconomic Theory
Physics: Quantum Physics

Skills

Programming: R, Python, SQL, Unix/HPC
Methods: Instrumental variables, time-series analysis, mixed linear models