

Benjamin Henly Wittenbrink

4947 S. Kimbark Ave., Chicago, IL 60615

773-569-1678 • witten@stanford.edu

EDUCATION

Stanford University Class of 2022

- GPA: 4.00/4.00; Expected B.A.H in Economics (with Honors) and B.S. in Mathematics
- Coursework: Econ: Micro, Grad Macro, Grad Econometrics, Market Design, Game Theory, Grad Political Economy Seminar, Financial Markets; Math: Linear Algebra, Real Analysis, Multivariate Calculus, ODEs, Matrix Theory, Graph Theory, Combinatorics, Stochastic Processes; Misc: Machine Learning, Time Series, Java, C++ Programming, Neuroforecasting

University of Chicago Laboratory High School Class of 2017, Unweighted GPA: 3.96/4.00

RESEARCH/WORK EXPERIENCE

QuantCo, *Quant Research & Machine Learning Intern*, Oct. 2020 – Aug. 2021

- Design choice model, statistical algorithm to optimize claims network steering, balance global cost with local volume objectives; oversee project from initial development to deployment; estimate cost, treatment effect models; assist in data migration to GCP

Profs. Gopi Goda & Mark Duggan, National Bureau of Economic Research, *Research Assistant*, June 2020 – Oct. 2020

- Estimate fixed effects panel regressions, statistical models; generate LaTeX tables; prepare paper (co-author) for publication

New York Federal Reserve Research & Statistics, *Summer Analyst*, June 2020 – Aug. 2020

- Conduct geospatial analysis on whether banks, mortgage lending accurately price in systematic climate disaster risk

Prof. Mark Duggan, Stanford Dept. of Economics, *Research Assistant*, Sept. 2018 – June 2020

- Analyze effect of minimum wage increases on SSI/OASDI enrollment, applications using border-county variation; evaluate spatial allocation of DoD contracts during budget sequester; maintain data pipeline

QuantCo, *Quant Research & Machine Learning Intern*, June – Sept. 2019

- Develop, implement causal statistical models, machine learning algorithms to improve efficiency of claims handling at major insurer; build monitoring dashboard in Dash, Flask; read pertinent econometrics, statistics, ML literature

Prof. Rebecca Diamond, Stanford Graduate School of Business, *Research Assistant*, Sept. 2018 – Feb. 2019

Prof. John List, University of Chicago Dept. of Economics, *Research Assistant*, June – Sept. 2018

Prof. Howard Nusbaum, University of Chicago Dept. of Psychology, *Research Assistant*, June – Sept. 2018

Prof. Jonathan Rodden, Stanford University Dept. of Political Science, *Research Assistant*, Jan. – June 2018

Prof. Eric Oliver, University of Chicago Dept. of Political Science, *Research Assistant*, Summer 2016, 2017

ACTIVITIES, HONORS, & PUBLICATIONS

Staff Writer, Stanford Daily Data Team, 2020 – present

- Best data visualization article of Volume 257

Stanford Economics Major Peer Advisor, 2019 – 2020, 2021 – present

Director of Analytics, Stanford in Government, 2019 - 2020

- Data analytics for internal operations; held policy debates on free speech, taxes, and fossil fuel divestment (2018)

1st Place, 2019 Stanford Institute of Economic Research Policy Hackathon 2019 (2nd Place in 2018)

Publication: Wittenbrink, Benjamin H. (2016). George Mortimer Pullman. *The Concord Review*, 27/2/W16.

High School Senior Class Vice President

- Negotiated accord with administration on campus security policy; led commencement committee; held discussion on school climate; established textbook market; initiated student tutor organization

University of Chicago Laboratory Yearbook Journalism, 2015 - 2017

- Editor-in-Chief; First Place, State of Illinois 2015, 2016; NSPA Honor Roll 2016, 2017

Ready, Set, Grow! Tutoring at Local Elementary School, 2014-2016

Helen and Louise Gardner Prize, Full Scholarship for German Exchange, 2015

SKILLS

Computer: Python, SQL, R, Stata, LaTeX, Git, C++, C, Java, Excel, PowerPoint, Adobe Photoshop & InDesign

Languages: English (native), German (full professional proficiency)