

# Benjamin Henly Wittenbrink

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## EDUCATION

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### Stanford University Class of 2021

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

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

## RESEARCH/WORK EXPERIENCE

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### New York Federal Reserve Research & Statistics, *Summer Analyst*, June 2020 – present

- Analyze whether banks, mortgage lending accurately price in systematic climate disaster risk, conduct geospatial analysis

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

- Run various fixed effects regression specifications, generate LaTeX tables, prepare paper for publication

### 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, *Data Science & Analytics 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 Flask, Dash; read pertinent econometrics, statistics, ML literature

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

- Query large financial data on AWS, analyze sensitivity of consumption behavior to exogenous income shocks

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

- Analyze, visualize data on hiring diversity in higher education from big dataset, and on spillover effects of early education intervention among minority children; write literature reviews on game theory, WTP topics

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

- EEG experiment replication of fMRI study forecasting aggregate Kickstarter funding outcomes with neural activity; processed and analyzed data in BESA, FieldTrip toolbox for MATLAB; weekly neuroeconomics reading group

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

High School Independent Senior Project: German and American Attitudes Toward Free Speech, May 2017

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

## ACTIVITIES, HONORS, & PUBLICATIONS

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

Stanford Economics Major Peer Advisor, 2019 - present

Director of Analytics, Stanford in Government, 2019 - present

- Data analytics for internal operations; oversaw applications for AccessNow and UNHCR Stanford internships; held policy forums on free speech, taxes, and fossil fuel divestment (2018)

Staff Writer, Stanford Daily Date Team, 2020 - present

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

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

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