

# Benjamin Scott Manning

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## EDUCATION

### Massachusetts Institute of Technology

Sep 2022 – Present

- Ph.D. in Management Science & Information Technology
- GPA: 4.9/5.0
- Doctoral Coursework:
  - **Economics**: Microeconomics; Game Theory; Information Economics; Econometrics
  - **Computer Science**: Machine Learning; Discrete Math & Proofs for Computer CS
  - **Statistics**: Estimation and Inference for Linear Causal and Structural Models; Statistical Method in Economics; Structural Equation Modeling

### Harvard University

Aug 2019 – May 2021

- M.P.P. for Social Policy and Data Analysis
- Thesis: [Interactive Voice Response Systems for Low-Literate Farmers](#)

### Washington University in St. Louis

Aug 2013 – May 2017

- B.A. in Applied Mathematics, *College Honors*
- Minor in Creative Writing

## WORKING PAPERS

1. Makridis, C., Hickman, L., & **Manning, B.**. Earnings Are Greater and Increasing in Occupations That Require Intellectual Tenacity. [\[pdf\]](#)

## TEACHING EXPERIENCE

### Teaching Fellow/Assistant – *Lead of Teaching Team*

- API-101Z Resources, Incentives, and Choices I: Markets and Failures; Prof. Christopher Avery (Harvard) (Fall 2023)

### Course Assistant – *Part of a Teaching Team*

- 15.572 Analytics Lab; Profs Sinan Aral & Abdullah Almaatouq (MIT) (Summer 2023)
- OIDD-7050 Leading with Grit; Prof. Angela Duckworth (UPenn) (Spring 2022)
- PSYCH-399 Undergraduate Research Seminar; Prof. Angela Duckworth (UPenn) (Fall 2021, Spring 2022)
- API-500 Applied Intensive Policy Seminar; Profs. Joe Aldy & Jack Donahue (Harvard) (Spring 2021)
- API-202Z Econometrics II; Prof. Teddy Svoronos (Harvard) (Spring 2021)
- API-101Z Markets and Market Failure; Prof. Christopher Avery (Harvard) (Fall 2020)
- DPI-610 Big Data for Politics; Prof. Benjamin Schneer (Harvard) (Spring 2020)

### Tutoring – *One-on-One or Small Groups*

- Econometrics & Microeconomics for Masters Students (Harvard) (Spring 2020, Fall 2020, Spring 2021)
- Calculus, Linear Algebra, Prob/Stat for Undergraduates (Wash U.) (Fall 2014, Spring 2015, Fall 2015, Spring 2016)

## PROFESSIONAL EXPERIENCE

### University of Pennsylvania – *Researcher*

Apr 2021 – Aug 2022

- Collaborated with Professors Angela Duckworth (Main Supervisor), Daniel Kahneman, Lyle Ungar, Colin Camerer, Mark Liberman, Louis Hickman, & Jordan Ellenberg

### Harvard University & University of Chicago – *Research Associate*

May 2020 – Aug 2022

- Collaborated with Professor Jon Rogowski

- Collaborated with Professor Sydney Finkelstein

**Phetpittayakom School** – *Mathematics Teacher*

Sep 2017 – Oct 2018

- Taught mathematics courses from pre-algebra to trigonometry in classes of up to 50 students (over 500 total) at a public school in rural Thailand

**Optiver** – *Execution Trader*

May 2016 - Aug 2016

- Supported trading teams and performed data analysis on a variety of derivatives on U.S. Exchanges

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**HONORS & AWARDS**

- MIT Sloan PhD Fellowship – Full funding guaranteed for duration of doctoral studies (2022 – 2028)
- Kosciuszko Foundation Tuition Scholarship – Supports students of Polish descent for graduate studies (2019 & 2022)
- High Pass Honors – Master’s Thesis (2021)
- College Honors – Cumulative undergraduate GPA award (2017)
- Order of Omega – Honor society recognizing high standards of undergraduate leadership (2016)
- Dean’s List – Semester undergraduate GPA award (Multiple Years)
- United Valley Micah Hero Award – For projects helping to “heal the world” in Uganda over the course of 10 years (2015)

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**SERVICE & ADDITIONAL WORK**

- Pennsylvania Department of Transportation – Volunteer data scientist analyzing the efficacy of speed cameras put on streets in Philadelphia in order to lower rates of death and injury from vehicle crashes (2021 – Present)
- COVID Response Team – Volunteer helping Vermont residents get COVID vaccines and other necessities (2020 – Present)
- Big Brothers Big Sisters – Volunteer mentor for underprivileged students who aspire to attend college (2019 – 2021)
- VIPKID – Tutor teaching over 300 Chinese children English through online platform (2017 – 2020)
- Village2Village Project – Sponsor & Volunteer for program supporting orphans in rural Uganda (2009 – Present)

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**CERTIFICATIONS**

- Teaching English as a Foreign Language Certification (150 Hours) - Council on International Education Exchange
- Certificate in Management, Leadership, & Decision Sciences (awarded with M.P.P.) - Harvard Kennedy School

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**SKILLS**

**Programming:**

Python; R; Julia; SQL; LaTeX; Version Control – Git; STAN; Command Line/Bash; Javascript; CSS; Qualtrics; Matlab

**Languages:**

Spanish – Limited Working Proficiency; Thai – Elementary Proficiency

**Extracurricular:**

Travel: 47 countries on 6 continents; soccer; guitar; saxophone; basketball; yoga; hiking; science fiction; Settlers of Catan

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**REFERENCES**

- Angela Duckworth - Professor of Psychology - University of Pennsylvania - [aduckworth@characterlab.org](mailto:aduckworth@characterlab.org)
- Christopher Avery - Professor of Public Policy - Harvard University - [christopher\\_avery@hks.harvard.edu](mailto:christopher_avery@hks.harvard.edu)
- Colin Camerer - Professor of Behavioral Economics - California Institute of Technology - [camerer@hss.caltech.edu](mailto:camerer@hss.caltech.edu)
- Sydney Finkelstein - Professor Of Management - Dartmouth College - [sydney.finkelstein@tuck.dartmouth.edu](mailto:sydney.finkelstein@tuck.dartmouth.edu)
- Jon Rogowski - Associate Professor of Political Science - University of Chicago - [jrogowski@uchicago.edu](mailto:jrogowski@uchicago.edu)
- Teddy Svoronos - Lecturer in Public Policy - Harvard University - [theodore\\_svoronos@hks.harvard.edu](mailto:theodore_svoronos@hks.harvard.edu)