

# Benjamin Scott Manning

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## EDUCATION

**Massachusetts Institute of Technology** Sep 2022 – Onward

- Ph.D. in Management Science & Information Technology
- GPA: 4.9/5.0 (3.9/.40)
- 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

**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

## RESEARCH 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

**Tuck School of Business at Dartmouth College – Research Associate & Producer** Oct 2018 – Sep 2019

- Collaborated with Professor Sydney Finkelstein

## WORKING PAPERS

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

## TEACHING EXPERIENCE

**University of Pennsylvania – Course Lead** Aug 2021 – May 2022

- Leading with Grit for MBAs with Prof. Angela Duckworth – *115 Students* – (Spring 2022)
- Undergraduate Research Seminar with Prof. Angela Duckworth – [Teaching Materials](#) – (Fall 2021 & Spring 2022)

**Harvard University – Graduate Tutor** Jan 2020 – May 2021

- Tutored masters and doctoral students across multiple graduate schools in statistics and microeconomics

**Harvard Kennedy School – Teaching Assistant** Jan 2020 – May 2021

- Applied Intensive Policy Seminar with Profs. Joe Aldy & Jack Donahue – *50 Students* – (Spring 2021)
- Econometrics II with Prof. Teddy Svoronos – (Spring 2021)
- Markets and Market Failure with Prof. Christopher Avery – (Fall 2020)
- Big Data for Politics with Prof. Benjamin Schneer – (Spring 2020)

**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

**Washington University in St. Louis** – *Peer Tutor*

Sep 2014 – Dec 2016

- Tutored peers in Multivariable Calculus, Linear Algebra, Probability & Statistics, Differential Equations, and Biostatistics

## HONORS & AWARDS

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- 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)

## SERVICE & ADDITIONAL WORK

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- 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)

## CERTIFICATIONS

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- 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

## SKILLS

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### 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

## REFERENCES

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- 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)