

Matthew W Thomas

ECONOMICS PH.D. CANDIDATE AT NORTHWESTERN UNIVERSITY

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Education

Northwestern University

PH.D. IN ECONOMICS

M.A. IN QUANTITATIVE ECONOMICS AND ECONOMETRICS

Evanston, IL

Sep 2017 - Present

Sep 2017 - Jun 2018

Williams College

B.A. IN MATHEMATICS AND ECONOMICS, GPA: 3.9, MAGNA CUM LAUDE

Williamstown, MA

Aug 2013 - Jun 2017

Professional and Research Experience

Northwestern University

GRADUATE RESEARCHER

Evanston, IL

Jun 2019 - Present

- Developed Python and R code to analyze large economic data sets for independent and collaborative research
- Modeled interactions in credit markets and created novel estimators for preferences and beliefs

Charles Schwab

RETAIL ANALYTICS INTERN

Austin, TX

Summer 2016

- Analyzed large datasets (eg. all trades placed in last 10 years) in SAS and SQL to describe customer behavior
- Identified optimal target audience among four hundred thousand clients for a strategic marketing campaign
- Presented simple, easy to understand, and actionable data-based insights for leadership teams
- Developed a simple tool with a team of fellow interns to drive recruitment and improve employee retention
- Organized weekly networking events and meetings for 30 interns to discuss operations and current projects

Williams College

STUDENT TECHNICAL CONSULTANT MANAGER

Williamstown, MA

May 2014 - Jun 2017

- Promoted to manage a team of 40 students to support students, faculty, and staff in their use of technology
- Took charge of technology and network problems in person and over the phone while reassuring clients

Teaching Experience

Kellogg School of Management

GRADUATE INSTRUCTOR FOR ANALYTICS COURSES

Evanston, IL

Sep 2019 - Present

- Direct workshops on programming to prepare MBA students for technical internships at early stage startups
- Coach MBA students in their use of Python, R, and other languages through daily office hours
- Evaluate and write feedback on weekly case assignments for classes of over 130 MBA students

Northwestern University

GRADUATE ASSISTANT

Evanston, IL

Sep 2018 - Present

- Innovated Python applications to streamline assignment creation and evaluation for thousands of students
- Present simple lectures on complex Microeconomics and Econometrics concepts to classes of 80-200 students

Skills

- Programming proficiency in STATA, R, Python, SQL, Mathematica, and SAS through research, classwork, and work experience – some experience with MatLab, and Julia
- Knowledge of machine learning algorithms and Python libraries through coursework and independent study
- Git and collaborative development expertise through coding projects and my service as a GitHub Advisor
- Experienced with Linux dedicated server and VPS administration through web development freelance work

Honors

- Awarded a small travel grant from GitHub (\$1,500) to present at Python Software Foundation events
- Awarded Carl Van Dyne Prize (\$6,350) for thesis support based on excellence in economics and research
- Awarded Sentinels Fellowship (\$5,300) to fund research on the effect of nonprofits on high school graduation