Matthew Wildrick Thomas

Economics Ph.D. Candidate at Northwestern University

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Education

Northwestern University	*Evanston, IL*
Ph.D. in Economics	*Sep 2017 - Present*
M.A. in Quantitative Economics and Econometrics	*Sep 2017 - Jun 2018*

Williams College	*Williamstown, MA*
B.A. in Mathematics and Economics, GPA: 3.9, Magna Cum Laude	*Aug 2013 - Jun 2017*

Professional and Research Experience

Northwestern University · *Evanston, IL*
Graduate Researcher · *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 · *Austin, TX*
Retail Analytics Intern · *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 · *Williamstown, MA*
Student Technical Consultant Manager · *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 · *Evanston, IL*
Graduate Instructor for Analytics Courses · *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 · *Evanston, IL*
Graduate Assistant · *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 Duyne 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