John S. Schuler

School Address
Department of Economics
George Mason University
Fairfax, VA 22030

EDUCATION

Doctor of Philosophy, Economics
George Mason University, Fairfax, VA — Anticipated May 2019

Master of Art, Economics
George Mason University, Fairfax, VA — Anticipated Dec 2017

Master of Science, Statistics
The American University, Washington, DC — May 2017

Post-Baccalaureate Studies, Pure Mathematics
University of Maryland, College Park, MD — August 2009-December 2010

Bachelor of Art, Liberal Arts
St. John's College, Annapolis, MD — May 2009

International Baccalaureate Diploma, Liberal Arts
Atlantic Community High School, Delray Beach, FL — May 2005

PROFESSIONAL EXPERIENCE

Mercatus Center — August 2015 – Present
Fairfax, VA — PhD Fellow

Fannie Mae — June 2014 – October 2015
Collateral Strategy, Washington, DC — Credit Risk Analyst II

- Built a series of standardized reports received by a majority of the lenders in this country. Worked both on presentation and back end process.
- Conducted supporting research for external reports on Collateral Underwriter.
- Built automated system to monitor space usage in SAS temporary storage and send out alerts when business critical processes are endangered.
- Set up shared Unix ID to track all analytic processes and save log files for future reference.
- Built capability to use appraisal data for fraud detection.

Summary: Professional data analyst with 5 years of experience working with credit and collateral data. Job requires efficient code to quickly analyze large datasets. For the final four years, the bulk of my work was dedicated to supporting Collateral Underwriter, Fannie Mae's proprietary collateral analytics tool now available to lenders.

The American University — June 2014 – October 2015
Department of Mathematics and Statistics, Washington, DC — Graduate Assistant

- Graded for a Calculus based Statistics Course.
- Tutored undergraduates in Mathematics and Statistics

Fannie Mae March 2011 – June 2014
Collateral Strategy, Washington, DC Credit Risk Analyst I

- Built process to report on risk related to incorrect data elements through the comparison of multiple data sources.
- Automated and assisted in building an appraisal data extract to simplify and expedite reporting.
- Designed custom sample to monitor data quality through the intentional over-sampling of bad data
- Built a flexible testing environment for all future data quality rules testing
- Managed two other analysts in a long term project to build interactive documentation for the collateral data.
- Prepared reports monitoring data quality.
- Diagnosed data quality problems.
- Built a general use database of collateral information for rapid reporting.
- Designed a general purpose SAS program to generate documentation on relational data structures.
- Extensive work leveraging collateral and loan data.
- Built prototype for collateral data quality rules.
- Built first generation reports on Appraisal Data Quality
- Substantial role in building software matching loan performance data to various third parties involved in loan manufacture.
- Maintained reports on high risk loan products.
- Frequently leveraged Perl, Shell scripting and HTML

COMPUTER SKILLS

Experienced in SAS, SQL, SPSS, R, Python, Unix / Linux, Shell Scripting / Automation, Latex, HTML

LANGUAGES

English (Native)
French (Reading Knowledge)

WORKING PAPERS

- "Probability, Economics, and Catallaxy: Toward a Market-Based Interpretation of Probability"
- "The Cantillon Effect" joint with D Taghawi-Nejad and V Veetil
- "The Economist as Magician and Myth Maker: What Should Economists Do?"

Courses Taught

- Iternational Economic Policy (Summer 2017), George Mason University

MEMBERSHIPS

American Statistical Association
Eastern Economics Association

HONORS

PhD Fellowship, Mercatus Center (2017 – 2018)
Mercatus Center Graduate Student Summer Research Fellowship (2017)
Masters Dissertation Fellowship (Spring 2017) NSF Grant 1534233 through the American University
PhD Fellowship, Mercatus Center (2016 – 2017)
Mercatus Center Graduate Student Summer Research Fellowship (2016)
PhD Fellowship, Mercatus Center (2015 – 2016)
MS Assistantship, The American University (2013 – 2014)
Award for Innovation, Fannie Mae (2013)
Honorable Mention for Analytic Mathematics, St. John's College Prize Committee (May 2008)
Eagle Scout Award, Gulf Stream Council Boy Scouts of America (2004)

INTERESTS

- Economics and Finance, especially the interaction between financial markets and the real economy.
- Statistics and Mathematics, especially analysis and probability.
- Philosophy, particularly that involving the advantages and limitations of formal systems analysis in economic and financial contexts.
- Computer Science
- Literature