DONATO ONORATO

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EDUCATION

University of Pennsylvania, The College of Arts and Sciences, Philadelphia, PA   May 2018
Candidate for Bachelor of Arts
Intended Major: Mathematical Economics
Honors: Dean's List 2015 – 2016, Dean's List 2016 -- 2017
Relevant Coursework (*current): Calculus III (Linear Algebra), Microeconomics I & II, Macroeconomics I & II, Econometrics, Statistics for Economics, Intro. Computer Science, Program Design, Optimization of Systems, Ordinary Differential Equations, International Finance, Public Finance, Advanced Linear Algebra, Probability, Real Analysis, Microeconomic Theory (Graduate)*, Applied Econometrics*, Statistical Computing with R*

St. Joseph's Preparatory School, Philadelphia, PA   June 2014
Honors and Activities: Chief Editor Yearbook, National Honor Society, National Society of High School Scholars

WORK EXPERIENCE

University of Pennsylvania – Department of Economics, Philadelphia, PA   May 2017 - Present
Research Assistant – Prof. Hanming Fang, Prof. Pinar Yildirim
- Wrote STATA and Python scripts using Pandas package, to manipulate, clean, and run statistical analysis on large files containing labor market data
- Developed Naïve Bayesian text classification algorithms to categorize data for analysis, as well as to impute missing data
- Created density maps (choropleth) in R and STATA illustrating the distribution of skills and labor at the state, MSA, and county levels across the U.S.

University of Pennsylvania – Department of Economics, Philadelphia, PA   May 2017 - Present
Research Assistant – Prof. Francis X. Diebold
- Collaborated with the professor in developing class materials for ECON 104 (Econometrics)
- These materials include writing scripts in various statistical software languages (R, STATA, EViews, Python) to conduct quantitative, concrete examples of the theories taught in class on both time series and panel data
- These econometric methods include: OLS regressions, LAD regressions, Quantile Regressions, identifying and correcting for outliers, addressing structural change (Chow, Quandt-Andrews), diagnosing and handling serial correlation (ARCH models, Whites Test, lagged dependent variables), diagnosing and addressing heteroscedasticity (GARCH model).

University of Pennsylvania – Wharton School, Philadelphia, PA   May 2016 – May 2017
Research Assistant, Wharton Public Policy Initiative – Prof. Ashley Swanson, Prof. Matthew Grennan
- Collaborated with two Wharton professors on research concerning search costs and price dynamics in healthcare markets and the economic impact of increasing market transparency
- Wrote several algorithms over eight weeks in STATA to clean, merge, and run statistical analysis on large hospital purchasing datasets to reduce outliers and noise in regressions
- Created weekly reports that analyze and synthesize statistical output from the algorithms to present findings in concise format
- Developing a model to analyze conversion factor validity within dataset to reduce error in regression estimates and pricing variation

Brinker Capital, Berwyn, PA   July - August 2015
Intern, Performance and Reconciliation
- Collected and organized portfolio performance data of both large and small financial accounts
- Evaluated various portfolio performance metrics through financial systems such as Vestmark to present summaries on portfolio performance

LEADERSHIP EXPERIENCE

Computer and Information Science Department, Philadelphia, PA   September 2016 – September 2017
Teaching Assistant
- Run weekly office hours to guide students with issues regarding homework and intro computer science course content
- Strengthen capacity to address, understand, and develop effective strategies regarding student concerns by attending weekly training sessions to increase effectiveness of mentoring sessions

Undergraduate Economic Society, Philadelphia, PA   January 2016 – Present
President, previously Head of Programs
- Led small team of five in coordinating and organizing group programs such as the UES Economics Blog and the Economic Research Initiative, that helps connect students interested in research to professors
- Pioneered development and creation of the website to increase UES presence and marketing efforts: pennues.com
- As president, directed the goals of the club and oversaw the operation and execution of three committees

SKILLS AND INTERESTS

Technical: Proficient in MS Office, LaTeX
Programming: R, Java, STATA, Python; Knowledge of: OCaml, EViews