OANH PHUONG DOAN

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EDUCATION

LAFAYETTE COLLEGE| EASTON, PA   **May 2018**

B.A. in Mathematics, Economics (Double Major), Minor in Computational Methods   **GPA: 3.97/4.00**

- Summa Cum Laude. Honors in Economics/Mathematics
- Award: Wesley S. Mitman Prize, awarded to the senior most outstanding in Mathematics
- Related Coursework: Probability, Statistics, Linear Algebra, Econometrics, Data Mining, Data Structures & Algorithms, Stochastic Process, Financial Mathematics, Machine Learning for Business Analytics

PROFESSIONAL EXPERIENCE

NERA ECONOMIC CONSULTING   **New York, NY**

Associate Analyst   **Jul 2019 - Present**

Research Associate   **Jul 2018 - Jul 2019**

- Perform economic research in connection with high-profile mergers and acquisitions across multiple industries to identify and evaluate antitrust risks of the proposed mergers
- Utilize SAS and SQL to process and convert large volumes of unstructured data (up to 100M data points) into clean, structured datasets for use in predictive modelling and other analyses
- Develop, implement, and test various statistical models and model specifications in STATA to assess potential competitive effects of the proposed transactions
- Summarize and visualize key information from large datasets with graphs and charts using Excel and SAS. Design and prepare clear exhibits and tables that support project analyses
- Conduct extensive research on various business documents, financial reports, and public data
- Document and communicate data diagnostics, methodologies, assumptions, and analysis outcomes with senior researchers and managers

NESTLE WATERS NORTH AMERICA   **Stamford, CT**

Data Analytics Intern   **Summer 2017**

- Developed statistical models to forecast annual baseline orders and estimate impact of promotion campaigns using time series analysis and regression analysis
- Performed data preprocessing, exploratory analysis, and output validation on 2 hierarchical datasets of 1M observations and 1K time series with a variety of data mining tools, including SAS, SQL, R, and Excel
- Visualized model results with a dynamic web application developed in Shiny R

TECHNICAL PROJECTS

Honor Thesis: "The Impact of Neighborhood Quality on Airbnb Prices"

- Developed a regression model to estimate the impact of neighborhood quality on Airbnb prices in Boston using assessed land values as a proxy
- Utilized R and SQL to analyze prices and characteristics of 10K Airbnb listings in relation to land values of 65K residential blocks and pricing of 381 competing hotels. Visualized spatial data using ArcGIS

OTHER INFORMATION

- Technical skills: SAS, SQL, Python, R, Shiny R, STATA, Excel, Java, PowerPoint
- Language skills: English (fluent), Vietnamese (native speaker), Chinese (conversational)
- Teaching Assistant (2014 -2018): Tutoring Calculus, Microeconomics, TOEFL & SAT
- Other interests: cooking and baking, travelling and exploring nature