JERIN VARGHESE

📞 **410-967-5744** @ **jerinv93@gmail.com** 📍 **Washington D.C. Metro Area**

EXPERIENCE

Economist
U.S. Bureau of Labor Statistics

📅 10/2016 - Ongoing 📍 Washington, D.C.

- Developed a Python-based ETL system to produce the highly demanded labor productivity by state statistics
- Reduced the time to estimate and produce industry level labor data from months to weeks by converting a manual Excel-based process to a more automated Python system
- Created and populated a new and improved SQL Server database with a cross-divisional team in order to centralize all data produced by the office and to facilitate production and reporting tasks
- Worked as the lead programmer for exploratory analysis with economic researchers from across divisions and from the Bureau of Economic Analysis on projects focused on developing new data products
- Compiled and presented analysis on trends and revisions for newly processed data to Supervisory Economists and the Office Associate Commissioner
- Spearheaded the use of Git for code version control in the office by providing informative and instructional presentations
- Co-authored an article for the Monthly Labor Review detailing the division's improved intrasectorals methodology and how it affects output measures

Research Associate
Econometrica, Inc.

📅 08/2015 - 10/2016 📍 Bethesda, MD

- Coded SAS programs for data extraction and statistical analysis on foreign and federal datasets
- Prepared a detailed economic analysis report of increased safety benefits and reduced violation case settlement costs for a petition to amend a Pipeline and Hazardous Materials Safety Administration rule regarding cargo tank test pressures
- Created a VBA based data scraper to calculate distances between two ports for thousands of routes using the Google Maps Distance Matrix API
- Wrote up analysis on wages of airline, airport, and security workers for dozens of countries in Africa, Asia, Europe, and the Middle East

Quality Control Assistant
American Institutes for Research

📅 06/2015 - 08/2015 📍 Washington, D.C.

- Tested for and reported technical usage consistencies on multiple state online assessment reporting systems
- Specialized in creating system mock-ups through HTML and image editing to initiate testing process

Research Assistant
University of Maryland, College Park

📅 03/2015 - 06/2015 📍 College Park, MD

- Prepared statistical reports on career plans and salary distributions of the graduating class
- Contributed to preliminary cleaning and analysis of survey data using Microsoft Excel

EDUCATION

M.S. in Applied Economics
Johns Hopkins University

📅 05/2016 - 12/2019

B.A. in Economics and Mathematics
University of Maryland, College Park

📅 09/2011 - 05/2015

TECHNICAL SKILLS

Python **SAS** **SQL**

Microsoft Excel **Git** **Tableau**

HTML

CERTIFICATES

Time-Series Analysis and Forecasting

The National Association for Business Economics, December 2018

Data Analyst with Python

DataCamp, March 2018

PUBLICATIONS

Intrasectoral transactions: the most important productivity statistic you've never heard of
Monthly Labor Review, U.S. Bureau of Labor Statistics

Thomas Kovarik and Jerin Varghese

📅 09/2019

🔗 https://doi.org/10.21916/mlr.2019.20