

Erick Fernando Bohnenblust

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US citizen & Registered in the Selective Service

WORK EXPERIENCE

National Railroad Passenger Corporation – Amtrak

Senior Revenue and Capacity Analyst

Washington, DC

September 2022 – Present

- Developed and implemented alternative inventory-management strategies and spoil controls to identify and generate more opportunities through stimulating demand and driving revenue growth. For the 2023 fiscal year, this implementation generated more than ten million dollars on year-over-year revenue growth for all assigned routes and despite fleet constraints.
- Developed statistical and data-reporting tools for a continuous and more effective oversight of strategies and spoil controls' performance in order to avoid revenue dilution and inventory spoilage.
- Developed a framework for market analysis, demand forecast, and an inferential simulation for the creation and implementation of mapping logic for a new pricing and inventory structure, preventing disruption in revenue management.
- Improved existing data visualization tools and created a new data analysis frame that includes more detailed information on every assigned train and route, such as sectional and directional analysis, time series analysis, among others for enhancing analytical capabilities and reducing data bias and turning them into unbiased business decisions.
- Proactive participation on evaluating and formulating recommendations of current business practices and systems, such as recommendations for the Amtrak website, the new Revenue Management System, as well as identifying an existing bias in the performance indicators for assigned Midwest routes.

Internal Revenue Service – IRS

Account Management Specialist

Denver, CO

August 2022 – September 2022

- Processed taxpayers' account inquiries, highly sensitive account updates and other requests by providing general information on tax law, taxation procedures, available resources, and monitoring the data-requests performance indicators.
- Participated in the evaluation of the requests' processing workflow to support quality indicators and recommended an additional frame for processing sensitive data queries with increased accuracy and effectiveness.

California Polytechnic State University

Research Assistant.

San Luis Obispo, CA

September 2021 – June 2022

Research Assistant. World Bank (WB) Research Project: "Improving Public Sector Productivity in Malaysia."

- Collaborated in the literature review, collected, organized, and cleaned proprietary datasets, using Python and Stata.
- I applied statistical/econometrics (causal inference) techniques and other methodologies to analyze data and backing research's conclusions about the relationship between public sector productivity and economic growth.

- Gathered and shaped available data for modeling the impact of a public sector productivity improvement in the economy, concentrating more on the direct effects in economic growth.
- Developed statistical simulation, for the years where data were not available or incomplete, but they were still necessary to reinforce a robust time series analysis of macroeconomic indicators.
- Presented findings and conclusions to the WB researchers, to the scholars from the Economics Department, and graduate students of the Macroeconomic Analysis class.

Research Assistant Fellow. Working Research Project: "Sweating the energy bill: Extreme weather, poor households, and the energy spending gap."

- Participated in the literature review and data analysis from the National Health and Nutrition Examination Survey (NHANES) databases by applying econometric models using Python, R and SQL.

Florida International University

Instructional Assistant.

Miami, FL

June 2020 – December 2020

- Assisted students with in-class activities and tutoring sessions of Precalculus, Algebra, and Trigonometry.
- Collaborated on grading assignments, projects, quizzes, and supplement classes in the absence of the lecturer.

EDUCATION

California Polytechnic State University

Master of Science in Quantitative Economics

San Luis Obispo, CA

June 2022

- *Relevant Coursework:* Mathematics for Economic Analysis, Statistics for Econometrics, Advanced Econometrics I, Advanced Econometrics II, Microeconometrics, Microeconomics Analysis, Computing and Machine Learning for Causal Inference, Dynamic Stochastic Modeling, Evidence-Based Decision Analysis, Economics Research and Communication.

Florida International University

Bachelor of Science in Economics

Miami, FL

December 2020

- *Relevant Coursework:* Mathematical Economics, Statistics, Econometrics, Measurement and Data Analysis of Economic Activity, Quantitative Economics, Intermediate Microeconomics, Intermediate Macroeconomics, Financial Accounting, and an additional sequence of courses from the department of Mathematics and Statistics.

SKILLS

- Languages: English, Spanish.
- Programming: R, Python, MATLAB, SQL, Stata, Latex, Cloud Computing, Excel, Microsoft office.
- Excellent analytical skills, effective communication skills, high emotional IQ, cooperative team member who also likes independent work.
- Eager advocate for effective learning environment that enhances creativity, collaboration, and productivity among individuals, working teams, and organizations.