Long Tran

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EDUCATION

Dickinson College   **Carlisle, PA, U.S.**
BA in **Quantitative Economics**. **GPA**: 3.59/4.00; **Major GPA**: 3.86/4.00   May 2022
Relevant Courses: Econometrics, Advanced Econometrics, Applied Empirical Data Analysis, Public Finance, Statistics, Commercial Banking, Data Structure and Algorithm, Database Systems, International Monetary Economics, Game Theory, Advanced Topics in Economic Theory

EXPERIENCES

VNPT Vinaphone   **Hanoi, Vietnam**
Data Analysis Intern (Python, HTML, SQL)   Apr 2021 – Aug 2021
- Deployed and maintained Python-based automated spiders to crawl over 300,000 transaction records from Vietnam Government Public Procurement websites by inspecting HTML sources, cleaning, and recording into SQL.
- Improved code quality to handle data inconsistencies and different user agents, optimizing the runtime by 50% to avoid server overload.
- Achieved a 6% revenue growth from existing customers by performing extensive transaction data analysis to identify customer preferences, behavior, and market trends.
- Evaluated usage data of 20 phone plans from over 100k customers using Python, proposed package product feature remodeling to align with customer preferences and market demands.

Saigon Hanoi Bank   **Hanoi, Vietnam**
Data Due Diligence Intern   May 2020 – Aug 2020
- Led a group of interns in analyzing 10 targeted clients' financial data and metrics from system-produced spreadsheets using Logit model in Stata to gain insights into their business prospects and risks.
- Conducted compliance and operational due diligence reviews, including on-site background investigations, to facilitate determinations and successful closings of over $50,000 in loan arrangements.

Ernst & Young   **Hanoi, Vietnam**
Forensic & Integrity Services Intern   May 2019 – Aug 2019
- Uncovered a $100k fraud scheme by detecting and investigating data fraud, abuse, and corruption cases involving a chief accountant and fraudulent vendors through conducting synthesis and analysis of transaction data on computer and physical documents and interviewing employees to gather information and verify facts related to the fraudulent activities.
- Implemented strategies for identifying gaps in internal controls, increasing risk transparency, and improving understanding of business risks for 3 firms.
- Delivered work reports to clients and managers on a weekly basis, ensuring seamless operation of services.

PROJECTS

Trend of Physical Performance and Its Predictive Power on Indoor Obstacle Course Test *[link]*
Analyzed physical performance data from 3 graduating classes (2012-2014) at West Point Military Academy, consisting of 3186 students, to examine trends in performance over their college years and predict IOCT completion time. Used Stata and Excel Pivot to visualize and illustrate key findings in PowerPoint format.

Online Shopping Database *(SQL) [link]*
Designed a SQL database model for an online marketplace, incorporating various triggers, procedures, and audit logs to ensure streamlined operation and preserve data integrity.

Do Workplace Smoking Bans Reduce Smoking? *[link]*
Utilized Stata to analyze the original dataset from a September 1999 paper published in the American Economic Review, carefully controlling for selection bias and examining control groups, in order to determine the impact of workplace smoking bans on smoking behavior.

LANGUAGES & TECHNOLOGIES

Programming Language: Python, SQL, R
Tool: Stata, SPSS, ArcGIS Pro