

JACK CHUA

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EDUCATION

Virginia Tech, College of Science

Blacksburg, Virginia

Bachelor of Arts, Managerial Economics and Data Science

Expected Graduation: August 2024

- Minor in Statistics
- Relevant Coursework: Methods of Regression Analysis, Environmental Econ, Software Design, Data Analytics & Visualization, Advanced Big Data Economics, Forecasting, R Programming in Econ, Econometric Methods, Statistical Inferences in Econ

WORK EXPERIENCE

Ernst & Young (EY)

Kuala Lumpur, Malaysia

Technology Consulting Intern – Data and Analytics

September 2022 – November 2022

- Assigned Project: power & utilities dashboard deployment for an Advanced Metering Infrastructure (AMI) system.
- Developed interactive map visualizations on Microsoft Power BI dashboards such as heatmaps to depict the distributions of all running meter production units while ensuring dashboard widgets are accurately populated.
- Utilized Python on Power BI to condense business reports of different KPI metrics for client's running meter productions.
- Successfully validated the accuracy of over 20 million data rows post-dashboard deployment using Databricks SQL.
- Aided in fine tuning a data warehouse system by maintaining and calibrating over 160 data pipelines on Azure Data Factory.

Ernst & Young (EY)

Kuala Lumpur, Malaysia

Technology Consulting Intern – Technology Solutions Delivery

June 2022 – August 2022

- Assigned Project: financial data strategy and governance implementation project.
- Co-led and co-authored an upstream data quality pilot study utilizing SQL and Talend to help automate client's data cleaning and transformation processes from Microsoft Excel to SQL.
- Designed and implemented a data cleaning process with Talend and a SQL data transformation script that reduced data processing time by 60% with 100% accuracy post-transformation.
- Researched and formulated a deck on the application of different emerging technologies in the financial service industry.
- Contributed to an assessment of client's data management system using CMMI's Data Management Maturity Model.

PROJECTS

Computational Analysis of Alternative Data in Econ Forecasting | ECON 4984 / 5945 - Statistical Inference in Economics

- Researching on the use of alternative data to improvise economic indicators utilizing LASSO, Ridge regression and stepwise regression analysis to autoregressive models.

ARIMA Energy Consumption Model | ECON 3054 – Intro to Forecasting

- Developed an Autoregressive Integrated Moving Average (ARIMA) dashboard model on Tableau that depicts energy consumption of European Union country members utilizing data from 1985 to forecast the values up to 2038.

ESG Regression Model | EY 2022 Summer Intern Game Showcase

- Developed a variable selection model to depict a company's environmental, social, and corporate governance (ESG) standing to industrial standards in the short and long run.

EXTRACURRICULARS

The Big Event at Virginia Tech

Blacksburg, Virginia

Volunteer Member

April 2023

Relay for Life at Virginia Tech

Blacksburg, Virginia

Fundraiser for VT Transfer Experience LLC

January 2022 - May 2022

TECHNICAL SKILLS

Java, Python, RStudio, SQL, Microsoft Azure, Microsoft Power BI, Databricks, Stata, Talend, Minitab, PowerPoint, Advanced Excel, Word, Tableau