The Hai Bui

CONTACT

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EDUCATION

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION – FINANCE
Foreign Trade University (FTU) - Vietnam
Niels Brock Copenhagen Business College (Denmark)
2015-2018 | GPA: 78.7/100

MASTER OF DATA SCIENCE AND INNOVATION
University of Technology Sydney
2023 - Present | GPA: 6.43/7

`buithehai1994.github.io/transcripts/`
`Online_Student_Record_Semester_3.pdf`

VISA INFORMATION

Actively hold a student visa (subclass 500) with full work rights and full availability.

EXPERIENCE

KPMG LIMITED | Audit Staff
Dec 2018 – Mar 2019 | Hanoi, Vietnam

- Worked as an Audit Intern in the Audit Department of KPMG Limited.
- Participated in financial audits for various clients, assisting in the examination of financial statements to ensure compliance with regulatory standards and internal policies.
- Collaborated with team members to document audit findings and recommendations, contributing to the preparation of comprehensive audit reports for presentation to clients and stakeholders.

Sep 2019 – Sep 2020 | Hanoi, Vietnam

- Worked as an Audit Assistant in the Audit Department of KPMG Limited.
- Assumed greater responsibilities as an Audit Assistant, performing audit procedures for key clients across multiple industries, including manufacturing and banking
- Managed audit fieldwork, coordinating with client personnel to obtain necessary documentation and information, ensuring timely completion of audit procedures within budget constraints.
- Mentored junior staff members, providing guidance on audit methodologies, technical issues, and professional development opportunities.

EAST ASIA UNIVERSITY OF TECHNOLOGY | Financial Planning Staff
Sep 2020 – Mar 2022 | Hanoi, Vietnam

- Played a key role as a Financial Planner within the university's Accounting Department, contributing to the strategic financial management and planning efforts.
- Proactively monitored daily cash flow and liquidity positions, analyzing trends and fluctuations to identify potential risks and opportunities, and ensuring sufficient funds for operational needs.
- Utilized Power BI to create visual reports and dashboards, providing stakeholders with actionable insights into financial performance, expenditure patterns, and budget utilization, facilitating data-driven decision-making.
- Collaborated closely with the Accounting Manager to perform various analysis tasks, including data preparation and calculation of key performance indicators, to support management decision-making and reporting requirements.

SKILLS

PROGRAMMING AND SOFT-WARE

Microsoft Office (Excel, Word, Powerpoint)
SQL
Python
Power BI

PERSONAL PROJECTS

REGRESSION MODELS ON CANCER US COUNTY

https://github.com/buithehai1994/Regression-Model-on-Cancer-US-County-

- **Overview**: Explored univariate and multivariate linear regression approaches to analyze the impact of different features on cancer mortality.

- **C**onducted feature engineering experiments independently to improve the model's predictive performance.

- **P**roduced detailed experiment reports and a final project report following the CRISP-DM (Cross-Industry Standard Process for Data Mining) method.

- **C**reated a Streamlit web app to present the project, allowing users to interactively present the regression models and insights. https://cancer-us-county.streamlit.app/

- **Key findings include:**

  - Socio-economic factors associated with larger households may contribute to poorer cancer outcomes. Younger populations potentially have lower cancer mortality rates. Higher education levels are associated with lower cancer death rates.
  - Access to healthcare resources, including educational institutions and research facilities, can positively impact cancer outcomes. Areas with higher birth rates tend to have slightly lower cancer death rates.

CLASSIFICATION MODELS FOR A MARKETING CAMPAIGNS

https://github.com/buithehai1994/marketing-campaign-streamlit

- **Overview:** Performed Explanatory data analysis (EDA) and Developed binary classification models for predicting whether the client subscribed to a new plan, which was the objective of the campaign.

- **C**reated a Streamlit web app to present the project, allowing users to interactively present the classification models and insights. https://marketing-campaign-app.streamlit.app/

- **Key findings include:**

  - Economic indicators like CPI, CCI, and EURIBOR3M impact consumer behaviour, affecting spending and investment decisions.
  - All the above economic factors can affect the behaviors of consumers in both the short-term and long-term.

MACHINE LEARNING AS A SERVICE

https://github.com/buithehai1994/Machine-Learning-as-a-Service

- **Description:** The project aimed to develop predictive and forecasting models for an American retailer with 10 stores located in California, Texas, and Wisconsin, targeting improved sales revenue forecasts. It includes an Fast API and an Streamlit App depolyed on Render
- **Tools Used:** Streamlit, Fast API

BIG DATA ENGINEERING - ELT DATA PIPELINES WITH AIRFLOW

https://github.com/buithehai1994/ETL-with-airflow-airbnb

- **Description:** The project focused on constructing robust ELT data pipelines using Airflow to process and refine Airbnb and Census datasets. The goal was to load and transform data into a data warehouse, followed by creating a datamart for in-depth analysis. The project involved environment setup on GCP (Cloud Composer and SQL), data collection, and transformation using dbt models.
- **Tools Used:** Airflow, dbt, Postgres, GCP (Cloud Composer, SQL), GitHub