Khoa Dao

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EDUCATION

C. T. Bauer College of Business, University of Houston, Houston, Texas

Bachelor of Business Administration in Management Information Systems **May 2021**

Cumulative GPA: 3.98, Major GPA: 4.00

- Financed 40% of education and living expenses through employment

RELEVANT COURSEWORK

Information System Development Tools (Java), Transaction Processing Systems (JavaScript, HTML), Business Applications of Statistics, Basic Programming for Business Analytics (R), Business Intelligence (SAS EM, Machine Learning), Business Application of Database Management I (Oracle Database, SQL)

ACADEMIC PROJECTS

Business Analytics for Decision Making Project

University of Houston, BZAN 6351/4397: Basic Programming for Business Analytics **Fall 2020**

- Used R to run variance ratio test, t-test, and correlation test to explore how different variables play a role in the success of fine-dining restaurants.
- Generated a validation dataset to perform cross-validation and wrote a report by R Markdown.
- Built a Multiple Regression model with 88% accuracy on the validation dataset to help client better understand the performance of the fine diners.

SAS EM Data Mining Project

University of Houston, MIS 7397/4397: Predictive Analytics & Business Intelligence **Fall 2020**

- Collaborated with five team members to perform data mining on property data set to predict the top 20 most valued houses.
- Performed EDA and data partition to prepare for data modeling phase.
- Run machine learning models (multiple regression and neural network) to choose the best model (lowest MSE on validation dataset).
- Built a Neural Network model with 91% accuracy on the validation dataset and generated a 40 pages report to help stakeholders in decision making.

Oracle Database Project

University of Houston, MIS 3376: Business Applications of Database Management I **Fall 2020**

- Converted form and business rules of a hospital into an ERD and 18 entity tables.
- Wrote SQL scripts (using Join, Group By, Analytical Functions, Built-In Functions, and Model Clause) to query data from Oracle Database to manipulate the data.

Data Analysis and Excel Project

University of Houston, MIS 3330: Programming and Application Development **Fall 2019**

- Processed national oil & gas data to deeply understand and gain more insight into trends to solve problems.
- Used Excel (Pivot Table, Statistic Chart) to analyze and visualize the national oil & gas data.

EXPERIENCE

Thanh Tue LLC, Houston, Texas **January 2020 – April 2021**

Database Marketing Specialist, January 2020-April 2021

- Extracted and cleaned data from TOAST POS system using Python.
- Created Power BI dashboard to report KPIs to managers monthly.
- Managed and regularly updated social media platforms to increase customer engagement.
- Created and constructed strategies to increase customer involvement, attracting over 2000 new customers based on Power BI dashboard.

HONORS AND AWARDS

Dean's List: Fall 2018 - Present

Excellent Transfer Scholarship, Fall 2019 – Present

ACTIVITIES

Management Information Systems Student Organization, Education Committee Member, Fall 2020 - Present

- Attended weekly professional meetings to network with companies and professionals in technology.
- Participated in weekly workshops to excel professional and technical skills, aiding growth in professional career.

Asian Business Student Association, Member, Fall 2019

- Collaborated with a team of five fellow students to put together four bake sales each semester.
- Raised an average of $2,500 per semester through campus events.

SKILLS

Technical : Python (pandas, NumPy, matplotlib), R (dplyr, ggplot2), Power BI (DAX/M), Microsoft Excel (Solver, Pivot, Macro), SQL (Oracle Database, PL/SQL), Machine Learning (SVM, KNN, Decision Tree, Multiple Regression, Neural Network)

Fluent in English and Vietnamese