

DI YANG

+1 3479056620 | yang.di4@northeastern.edu | Own Website: <https://yangdiysc.wixsite.com/diayang>

EDUCATION

Northeastern University

Candidate for Master of Science in Computer Science

Related Coursework: Algorithms, Data Structures, Database Management, Foundations of Artificial Intelligence

Seattle, WA

Expected May 2023

Auburn University

Bachelor's degree of Business Administration in Business Analytics.

Related Coursework: Big Data, Predictive Modeling, Database Management, Commercial Statistics, Information Systems

Auburn, AL

May 2020

PROFESSIONAL EXPERIENCE

HUI SHENG CONSULTING

Business Analytics Intern

- Sorted out and summarized the daily passenger flow of national chain milk-tea stores, decomposed different time periods, and corresponded to the passenger flow, calculated the daily highest peak and lowest point by Excel.
- Communicated and met with customers to gather requirements, screened different interview reports, extracted useful information, and produced 10 pages new reports independently every week.

Shijiazhuang, China

Feb 2021 - Apr 2021

XINHANGDAO EDUCATION TECHNOLOGY COMPANY

Data Analytics – Data Center Team

- Integrated structural KPI and process KPI in key performance indicators, divided student data and teacher data vertically, compared 9 campuses revenues and used SMART principles to quantify achievable decision-making goals.
- Cooperated with the marketing department, used student data to build user portraits, find the best geographic location for course announcements, and adopt a point-to-point form of user promotion, increased the turnover by 12%.

Shijiazhuang, China

Aug 2020 - Nov 2020

PROJECT EXPERIENCE

PYTHON FULL STACK WEB DEVELOPMENT PROJECT

Website development by Udemy [See It on GitHub](#)

- Used HTML, CSS to build the front-end home page of social media.
- Designed the login and registration pages with JavaScript and cookies and completed the normal user authentication login.
- Implemented user interaction with Python and Django to create and join groups and post topics.

Seattle, WA

Dec 2021 – Jan 2022

DATABASE MANAGEMENT SYSTEMS PROJECT

CS5200 Project [See It on GitHub](#)

- Established a normalized relational OLTP database and data queries by SQLite (using DDL and SDL) through R based on XML.
- Used the XML to determine the appropriate attributes for the entities (author, articles etc.) and do entity data filled.
- Explored data by the OLAP star and snowflake schema and constructed a line chart by R studio illustrated numbers of publications for a quarter.

Seattle, WA

Sep 2021 – Dec 2021

DATA MODELING PROJECT

2019 NCAA Division I Men's Basketball Tournament Result Prediction [See It on GitHub](#)

- Conducted a dive-deep analysis regarding the team's reliability and coaching experience in winning the game by Python.
- Constructed and calculated a reservation table of 4 variables that affect the outcome of the game, including coaching time, the probability of the team's three-pointer, the number of team won in 15 years, and the strength of the seed.
- Sampled and built 7 independent models for comparison, such as logistic regression, naive Bayes etc. Optimizes the decision tree F1Score to the optimal value of 0.86. The model verifies that coaching experience is one of the key factors for winning.

Auburn, AL

Jan 2020 - May 2020

TECHNICAL SKILLS

Programming Skills: Python, JAVA

Data Skills: SQL, R, Tableau

Operating System: Microsoft Windows, Apple macOS, Linux