Kurmanbek Bazarov

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Education

University of Houston

Bachelor of Science in Computer Science   Aug 2021 - Fall 2023
- College of Natural Sciences and Mathematics (GPA: 3.36)
- Transfer Excellence Scholarship 2000$
- National Society of Collegiate Scholars certificate

Houston community college

Associate of Science in Computer Science   Fall 2019 - May 2021
- Honors: Houston Community college's Dean's List (GPA: 3.95)

Relevant courses
- Data Science I • Computer Organization and Architecture
- Operating Systems • Programming and Data Structures
- Design File and Database systems • Data Science II

Projects

Airline HR Database System Group Project |Elephant SQL, Express, Node JS, React   Nov. 2021 – Dec. 2021
Designing, developing, and testing to create an HR airline personnel management system.
- Created ER model diagram of airline HR management system with mostly one to many relationships
- Designed multiple different queries to retrieve data from the HR Database using SQL server
- Tested fully developed Frontend product for webform errors and crashes on different devices
- Helped to import over 100 user info on the database to complete the group project

Normalization |JavaScript, PostgreSQL   Oct. 2021 – Nov. 2021
Developed a console application to check the normalization of the tables.
- Created a JavaScript code to check the normalization of tables from Primary Key to BCNF.
- Designed proper messages for tables with errors indicating what type of an error table had.
- Used multiple queries in developing the program

Heart Failure Prediction |Python, HTML, Jupyter Notebook   April 2022 – May 2022
Made an analysis of data based on the user background information database.
- Retrieved data from excel to Jupyter notebook to make an analysis of data
- Explained general information about user info using graphs and math statistics
- Made deep research of data to find a correlation between death rate and other factors
- Used an AI to build a model and run it and print multiple validation scores of predictions of heart failure

Restaurant Selector program |C++   April 2022 – May 2022
Created a console application of restaurant menu selections.
- Mini program that was created to choose restaurants based on the user preferences
- Allowed users to display the right choice of restaurants based on their dietary restrictions

Activities

Programming Tutor | University of Houston   Fall 2021 – Spring 2022
- Volunteered to help students debug and complete their programming tasks
- Assisted over 50 students on their programming assignments

Chessclub Officer | ChessHCC   Fall 2019 – May 2020
- Created a friendly environmental club with over 25 members to play weekly chess games
- Educated new students on playing chess and provided weekly prizes
- Organized different events for the members of the club to engage people in chess

Relevant Information

- **Programming Languages:** C++, Python, HTML/CSS/JavaScript, ElephantSQL/MySQL, Assembly, Node.js, R
- **Tools**: Git, Visual Studio, VS code, Jupyter Notebook, Anaconda Navigator