KURMANBEK BAZAROV

Houston, Texas

 github.io/website

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Education

University of Houston   **Sep. 2021 – Dec 2023**
Bachelor of Science in Computer Science   *Houston, Texas*

College of Natural Sciences and Mathematics Dean's List

Houston Community College   **Sep. 2018 – May 2021**
Associate of Science in Computer Science   *Houston, Texas*

Relevant Coursework

- Data Structures
- Operating Systems
- Algorithms
- Database Management
- Data Science I, II
- Computer Architecture
- Digital Image Processing
- Software Engineering

Experience

University of Houston   **Aug 2022 – Dec 2022**
Academic Assistant Support   *Houston, Texas*

- Tutored 1 on 1 over 50 various students in their programming assignment to identify and fix bugs/issues in programs.
- Provided weekly lectures on various programming topics for over 20+ students in the programming language Python.
- Prepared students for their midterm/final exams using the various course materials and building planner to achieve a 20 percentage of increase compared to median grades.

Projects

Invasion of Aliens game | *Python, PyGame, Sprite*   **December 2022**

- Developed an automatic game using Python and PyGame that can be played on different devices.
- Implemented Sprite to move objects and perform collisions between spaceships of users and aliens.
- Used PyGame modules to create a user interface that is easily playable and interactive for users and interchangeable.

Weather App | *React, Javascript, HTML, CSS, API*   **November 2022**

- Developed a weather application using React and weather API that can predict weather forecasts around the world.
- The app has features of displaying the weather for the whole week as well as providing additional details.
- Application receives data from the API and re-formats it for better user interface front-end app and displays it.

Movie App | *JavaScript, HTML, CSS*   **September 2022**

- Created a movie app to generate random movies using JavaScript with different sections for user interaction.
- The app has over 50+ different genres and more than 40+ different movies based on user preference.
- User has the option of choosing either movies/anime to watch depending on preferences with the simplified UI.

Airline HR Database System Team Project | *Elephant SQL, Express, Node JS, React*   **November 2021**

- Designed ER model diagram of airline HR management system with mostly one-to-many relationships.
- Created multiple purposes queries to perform functions in Database using SQL.
- Used React JS library to develop the HR management system frontend page.
- Tested fully developed an application for webform errors and crashes on different platforms

Technical Skills

Languages: Python, C++, Javascript, HTML/CSS, SQL, R
Developer Tools: VS Code, Visual Studio, Google Collab, Git, Pycharm
Technologies/Frameworks: React, Node.js, Next.js, MySQL, PostgreSQL
Libraries: Pandas, Numpy, Matplotlib

Leadership / Extracurricular

ChessClub   **Fall 2018 – Spring 2019**
ChessMaster   *Houston Community College*

- Co-founder of the HCC chess club to create a social, collaborative, chess community at the Houston community college.
- The club obtained 10+ sponsors to fund events in collaboration with other clubs involved in weekly activities.
- Created monthly tournaments with money prizes that involved over 100+ students participating in blitz format.