Kameron Stuckey

(318)503-3775 | kstuckey817@gmail.com | LinkedIn: kam-stu | GitHub: kam-stu | Website: kamstu.com

Education

Louisiana Tech University – Bachelor of Science, Computer Science   *Sept. 2023 – May 2027*

Relevant Coursework: Data Structures and Algorithms

Projects

Blackjack AI | *Python, Pandas, Tensorflow*   *June 2024*

- Programmed a Blackjack game that uses a Neural Network to suggest the best action to take during a game
- Assembled a Neural Network using Pandas and Tensorflow libraries with 95% accuracy
- Created custom dataset for training the network
- Designed user command actions for user feedback and replayability

Chess Detection | *Python, Numpy, Roboflow*   *April 2024*

- Led a group to create a program that detects chess pieces and their location on a chessboard for finding the best move
- Trained and implemented object detection models (YOLOv9) using Roboflow with 98% accuracy
- Used NumPy and image manipulation techniques to extract and map all corners of the chessboard, turning the image into a grid of squares
- Won "Moonshot" award at Louisiana Tech 2023 Computer Science Freshman Expo out of 20+ teams

Connect Four | *Java, OOP*   *Sept. 2024*

- Developed a two-player Connect Four game that utilizes a 2D Array matrix for representing the playing board
- Implemented game logic to handle player turns, ensuring legal moves, and checking for win conditions
- Constructed text-based interface for players to interact with the game through terminal
- Set systems for handling edge cases such as full columns, draws, and board resets.

Spider Shooter | *Python, Pygame, OOP*   *May 2024*

- Built a 2D shooter game in Python using Pygame where players shoot spiders that run across the screen
- Used OOP to cohesively combine Characters, Wave, and Projectiles systems together
- Implemented a wave-based system that increases difficulty by introducing more and faster spiders as the game progresses adding to replay value
- Designed a GUI that shows the current wave, lives remaining, and score along with a replay screen for after the game ends that displays the total score

Skills

Languages: Python, Java
Certifications: Microsoft Word, Microsoft Excel