Barry Gorman

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Education

BS COMPUTER SCIENCE | *EXPECTED MAY 2025* **|** *TEXAS TECH UNIVERSITY*

- Major: Computer Science
- Minor: Mathematics
- GPA: 3.96
- Already completed Cyber-Aerial Computing, SWE, DSA and Concepts of Programming Languages
- Enrolled in Networking, Operating Systems and Databases

Work Experience

UNDERGRADUATE TEACHING ASSISTANT   AUGUST 2024 – PRESENT

- Assist students in the understanding of Programming Principles II, taught in C.
- Grade all lab assignments and lab exams of enrolled students
- Assist graduate TA instructing the lab portion of the course

Projects

SECOND RODEO | *PYTHON, REACT*   AUGUST 2024 – SEPTMEBER 2024

- Developed a website and stand-alone application to let contractors log their stock and contestants beat the luck of the draw.
- Website was developed using the MERN stack and utilizes a RESTful API to allow contractors, secretaries and contestants to view all runs, edit and add stock.
- Stand-alone application was built in Python with a GUI and logs all run/stock entries to the MongoDB.

STUDY BUDDY | *PYTHON, REACT*   MAY 2024 – JULY 2024

- Developed a website and stand-alone application to help students break bad study habits.
- Website was developed using the MERN stack and utilizes face-api.js to recognize study habits and a RESTful API to log data on study sessions.
- Stand-alone application was built in Python with a GUI and utilizes OpenCV to recognize study habits.

SPYWARE | *PYTHON*   OCTOBER 2023 - PRESENT

- Engineered spyware for Windows incorporating keylogger and screen recording functionalities, with data transmission to the Google Cloud.
- Currently extending capabilities to Linux/Mac platforms and integrating network traffic logging.

DRONE FLIGHT PATH SIMULATOR | *MATLAB*   MARCH 2024 – APRIL 2024

- Developed a drone flight path simulator in MATLAB to avoid restricted areas and redirect around them.
- Utilizes graph theory to create the drone path and avoid restricted areas.

Technical Skills

- Languages: C, C++, CSS, HTML, Java, JavaScript, MATLAB, Python, React,
- Softwares/Platforms: Git, Linux, Windows, VSCode, JetBrains IDE's, MongoDB