Tanner S. Thurman

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EDUCATION

Western Kentucky University   **Bowling Green, Kentucky**
B.S. in Computer Science   *Expected Graduation, Dec 2024*

- o **Concentrations:** General (CGEN)
- o **Related Coursework:** Data Structures & Algorithms, Objects & Design, Computer Organization & Programming, Machine Learning, Artificial Intelligence, Object-Oriented Programming, Statistics & Applications
- o **Skills:** Java, Python, HTML/CSS, JavaScript, SQL, React.js, .NET
- o **Tools:** Visual Studio/Code, Git, MySQL, Django, Unity

EXPERIENCE

Vanderbilt Clinical Informatics Center   **Nashville, TN**
Associate Application Developer   *August 2024 – Present*

- Collaborate with healthcare professionals to identify and implement innovative projects aimed at improving healthcare delivery and patient outcomes
- Develop web applications using Django, including a value set website for medication management, enhancing accessibility and efficiency of clinical information
- Implement machine learning and AI solutions to predict health outcomes and enhance patient care strategies

Knobull   **Remote (Based in Providence)**
Full Stack Development Intern   *November 2023 – July 2024*

- Collaborated with cross-functional teams to design and develop a meta search engine website.
- Contributed to back-end development using AWS services, OpenSearch, and Elasticsearch.
- Analyzed complex data sets and worked with large scale data infrastructure to ensure optimal functionality.

PROJECTS

WKU AI ChatBot   **Bowling Green, Kentucky**
Team Lead   *January 2024 – May 2024*

- Developed a generative AI (AGI) chatbot that is easily accessible and useable for student and professors.
- Allows teachers to upload documents to the chatbot so that the chatbot is customized to their individual class.
- Used Tensorflow and Python as well as HTML, JavaScript, and Django for our front-end.

ELearning Website   **Bowling Green, Kentucky**
Team Lead   *September 2023 – December 2023*

- Developed a website using Django for teachers and students to access and use as a learning website.
- Created quizzes, lessons, grade book, discussion board, and more for users to interact with.

School Database   **Bowling Green, Kentucky**
Team member   *January 2023 – May 2023*

- Worked with a team of software engineers to create a college database.
- Used MySQL to create the database, held WKU student information such as ID, tuition, and other important information.

Secure File Transfer Website   **Bowling Green, Kentucky**
Team Lead   *January 2024 – May 2024*

- Created a Secure file transfer website with AES encryption security.
- Used Python to create a flask connection between users. TCP connection initiates when users send files.
- Has a messaging system as well to communicate with other users.

ACTIVITIES AND LEADERSHIP

Western Kentucky S.E.A.S. Ambassador   **Bowling Green, Kentucky**
Represent the engineering program at WKU   *Aug 2023 – Present*