JAMES ALFORD

Huntsville, TX | Personal Website

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Education

Sam Houston State University   **Aug. 2022 – May 2026**
Bachelor of Science in Computer Science, Honor's College, Dean's List   *Huntsville, TX*

Relevant Coursework

- Data Base Management Systems
- Special Topics/Programming
- Comp Organize and Machine Lang
- Java OOP
- Programming Fundamentals II
- DF and IA Fundamentals II
- Calculus II

Technical Skills

Languages: Python, Java, HTML/CSS, JavaScript, TypeScript, SQL, C#
Frameworks: React, Flask, Next.js, Express, Vue.js, React Native, Tailwind CSS
Developer Tools and Tech: Git, VS Code, Visual Studio, Postman, Git, MongoDB, MySQL Workbench, MAMP, Node.js, Supabase, LaTeX, GitHub, Linux, Kali Linux

Projects

Melodyy (Full-Stack) | Website, GitHub | | *Next.js, React, Tailwind, Supabase, Stripe, Git*   **June 2023**
- Developed a full-stack music streaming website providing a seamless music playing experience similar to Spotify
- Implemented secure login and user management with Supabase, including CRUD operations
- Integrated Stripe to enable subscription-based memberships, allowing users to enjoy enhanced features
- Designed the website using Next.js and Tailwind CSS for a visually appealing user experience across all devices

Library Management System (Full-Stack) | GitHub | | *Java, Spring, MySQL, JDBC, Git*   **March - April 2024**
- Designed a full-stack library management system for a hypothetical university to manage rentals and students
- Worked with a team in vibrant collaboration to reach our goals of the application's design and implementation approach, ensuring a cohesive and effective solution
- Developed a secure login system and database for both students and staff using mySQL and Java
- Implemeneted a sleek interface for users to interact with, ensuring efficient application use

Back-end REST API | GitHub | *Node.js, Express, MongoDB, TypeScript, Postman*   **June 2023**
- Built a REST API which stores basic user information for a login system
- Leveraged MongoDB as the database to store and retrieve data, optimizing performance and scalability
- Utilized CRUD operations to enable data management, allowing users to easily manage resources
- Implemented a comprehensive authentication system to safeguard user information and protect against unauthorized access

One Piece Hype Tracker | Reddit, GitHub | Python, Twilio, Praw, Git   **May 2023**
- Developed an application to deliver One Piece chapter updates to fans using PRAW API and Twilio
- Implemented automated content delivery system using 'schedule' library
- Integrated the 'Twilio' API for delivering SMS notifications with real-time One Piece chapter updates and hype levels
- Constructed an automated reply system using threading to reply with One Piece fun facts

TryHackMe | *Python, Kali Linux, C, Other Linux tools*   **January 2024 - Ongoing**
- Completed multiple challenging CTFs resulting in more advanced knoweldge of hacking
- Self-educate on diverse hacking tools, gaining hands-on experience with penetration testing and using exploits
- Continuously learning and contributing to hacking projects for enhanced security skills

Experience

WeLocalize   **July 2023 – Ongoing**
Search Quality Rater   *Remote*
- Provide analytical evaluations of search engine results to enhance algorithm performance
- Contribute to AI technology enhancements through constructive feedback and recommendations, improving user experiences
- Maintaine expertise in search algorithms and trends to optimize search results