

JAMES ALFORD

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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 Structures and Algorithms
- Computer Architecture
- 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#, Ada

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, GNAT Studio

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
- Implemented 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

Miscellaneous | *Linux Tools, Ada, GNAT Studio*

January 2024 - Ongoing

- **TryHackMe** - Continuously self learning using TryHackMe by completing CTFs, sandbox challenges, and hands-on experience with hacking tools in Linux
- **Data Structures and Algorithms** - Developing applications using theoretical DSA concepts for labs using the Ada language

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
- Maintain expertise in search algorithms and trends to optimize search results