Brandon Mason

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(WIP) https://brandon-mason.github.io

PROJECTS

Piano Application(MERN Stack) - GitHub Repo - piano-roll.vercel.app   *Dec. 2022 – Dec. 2023*
- Developed a full-stack piano web app using TypeScript/React, HTML, CSS (front end), and Express.js (back end).
- Piano can be played using a QWERTY keyboard.
- Inputs can be recorded onto a note by time grid which also allows notes to be added via double clicking grid cells.
- Notes can be manipulated by using keyboard shortcuts. Note length and position can be adjusted using the shift and command/control keys.
- Implemented features allowing users to adjust grid subdivisions, tempo, volume, octave, measure amounts and more.
- Enabled MIDI file import/export functionality and user accounts for saving projects on a server.

Astro/Strapi Blog Website - GitHub Repo - blab-times.vercel.app   *April 2023 – November 2023*
- Not currently maintained because it is no longer in use.
- Developed a dynamic blog platform using Astro, Strapi, Supabase, and React with integrated cron jobs for automated tasks.
- Enabled users to create accounts, leave comments, like posts, and manage email subscriptions for post notifications.
- Built robust subscription functionality allowing users to easily subscribe and unsubscribe from email alerts for new content.

EDUCATION

Bachelor of Science in Computer Science   *December 2025*
Texas State University – San Marcos, Texas
Major GPA: 3.4
Relevant Coursework: Data Structures & Algorithms, Computer Networks, Computer Architecture, Computing System Fundamentals, Object-Oriented Programming, Compiler Construction
Coursework in Progress: Computer System Security, Software Engineering, Intro to Combinatorics

Associates of Science in Computer Science   *May 2023*
Texas State University – San Marcos, Texas
Major GPA: 3.6
Full Stack Web Development Course   *May 2023*
Tech Talent South

TECHNICAL SKILLS

- Software: Git, GitHub, Bitbucket, Debugging Tools(VS Code Debugger, GDB, LLDB), VS Code, SQL, MongoDB, RESTful APIs, Responsive Web Design, Microsoft Outlook, Excel, Word, Powerpoint
- Programming: C++, C, Java, Python, HTML, CSS, Tailwind CSS, Mantine, JavaScript, TypeScript, Node.js, React.js

EXPERIENCE

Front-end Developer & Marketing Agent   *Oct. 2021 – Sep. 2023*
Custom Motor Group, Pflugerville, TX
- Optimized website content to achieve the best SEO results.
- Trimmed HTML and CSS of the website's pages to reduce load times.
- Communicated with customers through online chat systems, or by returning calls, to aid customers that were interested in certain vehicles.

Hobbies: Building Personal Programming Projects, Song Writing, Music Production