

Zackery Beyer

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EDUCATION

University of Missouri

Columbia, MO

Bachelor of Engineering in Computer Science, Minors in Math, Statistics, and Data Science Aug. 2023 – May 2027

Undergraduate Certificate in Web and Mobile Applications Development GPA: 3.96/4

TECHNICAL SKILLS

Languages: JavaScript, C/C++, Python, Java, SQL, Swift, Assembly, R, HTML/CSS

Frameworks: React, Node.js, Express, FastAPI

Developer Tools: Git, VS Code, Visual Studio, IntelliJ, Xcode, Arduino

EXPERIENCE

Undergraduate Research Project

July 2025 – Present

University of Missouri

Columbia, MO

- * Configured and tested ToF sensors, calibrating hardware and collecting experimental data to evaluate sensor accuracy and performance..
- * Developing embedded firmware that applies triangulation methods to translate sensor data into precise drill positioning and measurement reliability.
- * Collaborating on faculty-led research, adapting to challenges through problem-solving and iterative development.

Community Assistant

Aug. 2024 – Present

The Landing at Como

Columbia, MO

- * Managing communication with current and prospective residents while resolving day-to-day issues as primary front desk contact.
- * Conduct on-campus outreach and nurture leads through personalized communication to support leasing efforts.
- * Contributed to leasing success by helping drive The Landing CoMo to 100% capacity for the first time in property history — a nearly 30% increase over the prior year.

PROJECTS

THRYVN | Xcode, Swift, SwiftUI

June 2025 – Present

- * Developing THRYVN, a fitness app built in Swift/Xcode to track workouts, schedule lifts, and organize training splits
- * Building a user-friendly, visually distinct fitness frontend that goes beyond default iOS conventions.
- * Exploring social features like streaks with friends, shared workout posts, and machine learning for personalized recommendations

Rewind | JavaScript, Nodejs, React, Express, Git

May 2025

- * Developed and deployed a full-stack web application with a React frontend and REST API backend in JavaScript
- * Integrated Spotify OAuth to allow secure Spotify API calls, enabling retrieval of user listening data.
- * Designed a personalized Spotify “Rewind” experience enabling users to explore listening trends and receive AI-generated music insights.

RecipeShareHub | JavaScript, Nodejs, React, Express, Git

April 2025 – May 2025

- * Led a four-person team in developing a full-stack recipe-sharing web app with a React frontend, Node/Express backend, and MongoDB database.
- * Implemented secure API integrations and user authentication, enabling users to post, edit, and manage personal recipes while protecting account data.
- * Directed team communication and development workflow, ensuring smooth collaboration and guiding technical decisions.