

# Zackery Beyer

217-649-2115 | [zkgq@umsystem.edu](mailto:zkgq@umsystem.edu) | [linkedin.com/in/zackery-beyer](https://linkedin.com/in/zackery-beyer) | [github.com/Zkbeyer](https://github.com/Zkbeyer)

## EDUCATION

### University of Missouri

*Bachelor of Engineering in Computer Science, Minors in Math, Statistics, and Data Science*

*Undergraduate Certificate in Web and Mobile Applications Development*

Columbia, MO

Aug. 2023 – May 2027

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.