

Harsh Kadodwala

[My Portfolio](#) | Contact: 630-998-4672 | Email: harsh.kadodwala7@gmail.com | LinkedIn: [Harsh Kadodwala](#)

Education:

Junior, UW-Madison | CGPA: 3.64/4.0

(Sep, 2022 – Dec, 2025)

Major: Bachelors of Science in Computer Sciences | Certificate: Entrepreneurship

Beta-Epsilon Chapter: Kappa Sigma Fraternity (Grand Scribe/Secretary)

Experiences:

College of Engineering, UW Madison: Research Intern

(May, 2024 – Aug, 2024)

- Designed and implemented an experimental setup for data collection utilizing **12 OptiTrack cameras** to capture detailed motion data.
- Processed and analyzed **25TB** of extensive subject data using **Python**, preparing it for use in training **Lightbuzz's** posture tracking model.
- Documented the technological setup comprehensively and authored a detailed manual to ensure efficient onboarding and training of future interns.

Independent Initiative, TapNTab: Co-Founder

- Conducted interviews with bar owners and potential users to identify key pain points and desired features, ensuring a user-centric design approach.
- Created UI/UX designs using **Figma** and **Canva**.
- Developed a prototype of the app, leveraging **Kotlin** and **Firestore** Database for **android development**. Working on **iOS development**. Currently in the Pre-Launch phase
- Established communication with payment gateway providers to understand technical and legal requirements for seamless transaction integration.

McBurney Disability Center, UW Madison: IT Assistant

(Mar, 2023 – Present)

- Managed networks, updated software, and conducted weekly iPad testing.
- Collaborated effectively in an office environment and maintained clear communication with team members.

Projects:

AI Fitness Posture Tracker: PostureX

- Currently developing an iOS mobile application using motion analysis and **3D mapping** to analyze, correct and count reps of exercises for improving posture during workouts.
- Partnered with **Lightbuzz** to integrate advanced AI algorithms and training models for motion analysis, enhancing the app's posture correction capabilities.
- Conducted over 30 interviews to identify user needs and challenges.

Stock Inventory and Role Assignment Desktop Application: Team Lead

- Developed the front end of a Stock Inventory and Role Assignment application using **Dart** and **Flutter**, enhancing user interface functionality and responsiveness.
- Implemented **SQLite** for robust backend operations, ensuring efficient data management and storage solutions.
- Communicated effectively with the end-user to tailor the application according to their requirements.

Related Courses:

Programming III (Java), Introduction to Algorithms, Android App Development, Introduction to Engineering, Introduction to Artificial Intelligence, Introduction to Discrete Mathematics, Calculus III, Introductory Applied Statistics, Fundamentals of Accounting and Finance, Introduction to Entrepreneurial Management, Venture Creation, Real Estate & Agency

Spring '25: Software Engineering, Building User Interfaces, Management of Innovation & Corp. Entrepreneurship

Certifications and Skills:

- **Professional Certificate in Communication: Trinity College London** - Communication, Public Speaking, and Leadership
- **Machine Learning: Stanford (Udemy) and Inspirit AI Scholars – Python**
- **Unreal Engine 4 C++ Game Development (Coursera)** - Game Development, Unreal Engine 4, and Basics of C#