

RABIH SIDDIQUI

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EDUCATION

University of California, San Diego

B.S. Cognitive Science | Graduated 2024

Coursework: Research Methods, Data Science in Practice, Statistical Analysis, Design of Everyday Things, Neurobiology of Cognition, Computational Thinking, Cognitive Consequences of Technology

EXPERIENCE

Trusted Tester | Google

September 2021 to Present | Sunnyvale, CA

- Test pre-release Google hardware and software before public launch. Completed 70+ feedback surveys and participated in two mid-year product review calls with UX Research Engineers.

User Research Participant | Google

November 2023 to Present | Mountain View, CA

- Regularly brought in for paid research sessions on upcoming Google products. Evaluate prototypes and share usability feedback directly with UX engineering teams.

User Research Participant | Meta (Reality Labs)

March 2025 to Present | Burlingame, CA

- Participate in paid research studies on upcoming Meta Quest features. Invited to join Meta's AR/VR User Research Community based on depth of VR knowledge and quality of feedback.

VR Prototype QA (Freelance) | KIWI design

December 2020 to August 2024 | Remote

- Hands-on tested 15 VR accessory prototypes over nearly four years, working closely with R&D and product teams to refine designs through multiple development cycles.

PROJECTS

All projects designed, built, tested, and shipped solo using AI-assisted development (Claude Code, Cursor). Live at [rabih.app](#).

audioRa (Browser-Native Audio Extractor)

TypeScript, Next.js, Tailwind CSS v4, ffmpeg.wasm, Vitest

- Converts video files to MP3 entirely in the browser using ffmpeg.wasm. Supports MP4, WebM, MOV, and MKV with adjustable bitrate (128 to 320 kbps), mono/stereo, and trim settings. Nothing leaves the device.
- Handles file uploads and direct URL input with proper cross-origin isolation (SharedArrayBuffer, CORS headers). Tested with Vitest.

compResso (Browser-Native Video Compressor)

TypeScript, Next.js, Tailwind CSS v4, ffmpeg.wasm

- Compresses video files client-side. Users pick compression settings, see before/after file sizes, and export a lighter file locally without anything touching a server.

spectRa (Color Accessibility and CVD Simulator)

TypeScript, Next.js, Tailwind CSS v4

- Simulates how colors look under different types of color vision deficiency using Brettel/Viénot algorithms, analyzes full palettes, and suggests accessible alternatives. Built from personal experience with red-green CVD.

pomodoRo (Browser-Native Pomodoro Timer)

TypeScript, Next.js, Tailwind CSS v4, Vitest

- Configurable work/break timer with keyboard controls, SVG countdown ring, session tracking, audio chimes, browser notifications, and a dynamic favicon that shows remaining time.

scRibe (Minimalist Writing Workspace)

TypeScript, Next.js, Tailwind CSS v4

- Distraction-free writing tool with write, preview, and read modes. Tracks word count, reading time, and session progress in real time. Integrates pomodoRo's timer code directly for built-in focus sessions.

scReen (Browser-Native Screen Size Comparator)

TypeScript, Next.js, Tailwind CSS v4, Vitest

- Renders any two screens side-by-side at accurate physical scale. Choose from a preset library of phones, tablets, laptops, monitors, and TVs, or enter custom dimensions. Runs fully client-side.

Nyra (Prototype Companion Interface)

JavaScript, Vite, GLSL, WebGL, HTML/CSS

- Prototype interface for a personal assistant with idle, listening, thinking, and speaking states. Frosted-glass UI with real-time visual effects driven by custom GLSL shaders and WebGL.

SKILLS

Languages & Frameworks: TypeScript, JavaScript, Python, React, Next.js, HTML, CSS, Java, R, GLSL

Tools & Platforms: Claude Code, Cursor, VS Code, Git, Vite, Vitest, Figma, ffmpeg.wasm, Pandas, Matplotlib, Google Workspace

Areas: AI-Assisted Development, Front-End Development, Unit Testing, UX Research, Research Design, Product Testing, WebGL, WCAG Accessibility