



Keren Zhang

Georgia Gwinnett College

Sophomore | Data Science

My Contact

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Skills

- **Research:** Qualitative coding (NVivo); interview protocol design; survey design; mixed-methods synthesis (in progress).
- **Data / Quant:** Excel/Google Sheets; Python; R; Java; basic statistics (t-test, chi-square, correlation/regression).
- **Product & Prototyping (exploring):** PRD basics; MVP scoping; simple user flows/wireframes; usability study planning (intro).
- **Tools:** Microsoft Word, PowerPoint, Excel; Canva; mind-mapping; video editing; VS code
- **Languages:** English; Chinese (native).

Education Background

- **Georgia Gwinnett College (GGC)**
Bachelor of Science, IT: Data Science (Sophomore)
Spring 2024 – Present, Lawrenceville, GA
- **Hubei University**
Coursework toward B.S. in Psychology
Sep 2023 – November 2023, Wuhan, China

Publications & Reports

Workplace Bullying in Higher-Education Health Sciences — Qualitative Report (30 pages)

Author, May 2025 | Archived at GGC Health Science Department | Available upon request

- Synthesized 14 interviews into themes on power dynamics & reporting friction
- Proposed “opportunity areas” for faculty training & policy interventions

About Me

Curious, systems-minded sophomore blending qualitative & quantitative research with hands-on prototyping.

Research Experience

• Workplace Bullying in Higher-Education Health Sciences — Qualitative Research

Health Science Department, GGC | Nov 2024 – Apr 2025

- Designed a grounded-theory codebook and self-taught NVivo to analyze 18+ interviews and field notes
- Identified recurring themes (power dynamics, reporting friction, psychological safety) that informed faculty policy discussions
- Delivered a 29-page synthesis with exemplar quotes and “opportunity areas,” later referenced in departmental training proposals

• Workplace Bullying Study — Quantitative Continuation

Health Science Department, GGC — May 2025 – Present

- Translating qualitative themes into a draft survey instrument
- Designing analysis plan; setting up code templates in Python/R for descriptive stats and simple tests (to run after data collection).
- Preparing visual results brief and IRB/ethics docs as needed.

Project

AI Pose Coach — Product Concept & MVP Exploration (Founder/Researcher) | Aug 2025 – Present

- Authored PRD-style concept doc defining user flows, success metrics, and MVP scope
- Built concept whitepaper & system spec; extracted pose guidance patterns from 50+ tutorials (Xiaohongshu/Instagram)
- Developing low-code MVP demo with usage analytics; public README & one-pager targeted for Sep 2025 release

Gesture Control — ASL Hand-Recognition Learning Tool (Technology Ambassador Program: Group Project) | Aug 2025 – Present

- Originated concept based on prior AI Pose Coach work; collaborated with team to design real-time ASL learning app
- Built dataset curation pipeline, defined prototype evaluation criteria, and led error-analysis loop for model iteration
- Integrated MediaPipe for hand detection; designed 3D model feedback system to teach hand shapes
- Preparing 3 classroom workshops (Oct 2025, 30–40 students each) to teach AI recognition concepts and demo the tool.
- Presenting project at TAP Expo.

Selected Achievements

- Self-taught NVivo to code and deliver a qualitative dataset within one semester
- Bridged psychology, data analysis, and software development into a human-centered, evidence-based product mindset