Project Journal

KEQI (Tech Insight Studio)

AI-Driven Educational Resource Development

Project Duration: 07/15/2024 - 01/29/2025

Total Time Commitment: 30 hours 14 minutes

Phase I: Founding and Networking (July - August 2024)

July 15, 2024 (1 hour 30 minutes)

- Reached out to potential co-founders and began networking.

- Contacted Stan Xiang to establish mentorship support.

July 22, 2024 (1 hour 45 minutes)

- Researched non-profit education models and potential funding opportunities.

- Began forming an initial roadmap for Tech Insight Studio.

Phase II: Branding, Strategy, and Research (August - September 2024)

August 5, 2024 (2 hours)

- Designed the Tech Insight Studio logo and branding elements.

- Drafted a mission statement and core objectives.

August 12, 2024 (2 hours 15 minutes)

- Conducted competitive analysis of online educational platforms.

- Gathered feedback from peers and potential users.

Phase III: Content Development for Calculus Learning (September - November 2024)

September 1, 2024 (2 hours)

- Developed the first set of AP Calculus study notes.

- Organized study materials into structured modules.

September 10, 2024 (2 hours 30 minutes)

- Created practice problems with detailed solutions.

- Built interactive Desmos and MATLAB models for calculus concepts.

October 3, 2024 (1 hour 45 minutes)

- Conducted a team meeting to review and refine content.

- Consulted with the mentor to validate accuracy and completeness.

Phase IV: Recognizing Limitations and Exploring AI Solutions (November - December 2024)

November 5, 2024 (2 hours)

- Identified challenges in scaling manual content production.

- Explored AI integration for personalized learning support.

November 12, 2024 (2 hours 15 minutes)

- Began learning Python, JavaScript, and AI-related technologies.

- Assigned learning modules to the team for skill development.

Phase V: Website Development (December 2024 - January 2025)

December 8, 2024 (2 hours 30 minutes)

- Built the initial website framework using HTML, CSS, and JavaScript.

- Implemented a user-friendly design with accessibility in mind.

December 20, 2024 (2 hours)

- Integrated SEO strategies to improve website visibility.

- Conducted initial testing and debugging.

Phase VI: Publishing Educational Resources (January 2025 - Ongoing)

January 5, 2025 (2 hours 30 minutes)

- Published AP Calculus notes, exercises, and solutions.

- Launched an interactive Desmos-based calculus visualization tool.

January 14, 2025 (1 hour 45 minutes)

- Released a set of MATLAB-based computational resources.

- Gather user feedback for improvements.

Phase VII: AI Learning Companion - Menti (January 2025 - Ongoing)

Date: January 22, 2025 (2 hours)

- Completed Menti's AI demo and conducted initial tests.

- Identified areas needing improvement before launch.

January 29, 2025 (2 hours 14 minutes)

- Finalized debugging and refinements for Menti.

- Prepared for OpenAI GPT Store launch.

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