

YUFEI XIAO

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EDUCATION

University of Florida

Bachelor of Science in Computer Science

Gainesville, FL

Expected Graduation: May 2028

TECHNICAL SKILLS

Languages: Python, C++, HTML, CSS, JavaScript, TypeScript, Node.js

Frameworks & Tools: React, Supabase, Git, Pygame, Phaser, SFML

PROJECTS

- **UF SmartScribe (HTML, CSS, JavaScript, Supabase)** Nov 2025
 - Built a secure online dashboard for doctors to log in, view patients, and record visit details.
 - Integrated **AI-powered transcription** that listens to doctor-patient conversations and automatically generates SOAP notes.
 - Used **Supabase** for authentication and data storage, **DeepGram API** for real-time transcription, and **Gemini API** for medical summaries.
- **Task Tracker (HTML, CSS, JavaScript, React, Supabase)** Oct 2025
 - Designed and implemented a responsive **task management web application** using React for the frontend and Supabase for backend services.
 - Built features for creating, updating, and deleting tasks with real-time synchronization across devices.
 - Integrated **user authentication** to ensure secure task management.
 - Added productivity enhancements including due dates, priority levels, and progress tracking dashboards.
- **Minesweeper (C++)** Apr 2025
 - Developed a fully functional Minesweeper game in **C++** with a text-based interface implementing board generation, mine placement, and recursive cell-reveal algorithms.
 - Applied OOP principles to design reusable classes for the board, cells, and gameplay mechanics.
 - Added difficulty levels, user input validation, and timer tracking for improved experience.
- **Sudoku Game (Python)** Nov 2024
 - Collaborated on Sudoku puzzle generation, validation logic, and solving algorithms.
 - Designed user interface and game flow using **Python** and **Pygame**; produced demo video showcasing functionality.

WORK EXPERIENCE

- **Restroom Design Intern** Jun 2025 – Aug 2025
Intelligent Bathrooms Corporation China
 - Collaborated with engineers to design, implement, and test Python-based software solutions.
 - Built a promotional website using HTML, CSS, and JavaScript for company products.
- **Teaching Assistant** Jul 2024 – Aug 2024
Yizhong High School China
 - Graded and evaluated students' homework assignments.
 - Assisted students with mathematics and programming topics.

INVOLVEMENT

- **Participant, Designathon** Nov 2025
University of Florida Gainesville, FL
 - Collaborated in a 3-person team during a 24-hour hackathon to design and develop **UF SmartScribe**, an AI-powered medical transcription platform.
 - Handled frontend and database integration using HTML, CSS, JavaScript, and Supabase.
- **Member, UF Society of Asian Scientists and Engineers (SASE)** Jan 2025 – Present
 - Participated in professional workshops and networking events to develop technical and leadership skills.
- **Member, UF Badminton Club** Oct 2024 – Present
 - Engaged in weekly practices to build teamwork, athletic discipline, and communication skills.