Yifei Fang

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EDUCATION

Vanderbilt University — Nashville, TN
B.S. in Computer Science & B.A. in Economics — *Expected May 2027*
Coursework: Algorithms and Data Structures, Discrete Math, Linear Algebra, Calculus III

EXPERIENCE

Friends Life Community — Sep. 2023 – Present
Developer — *Nashville, TN*
- Develop a tracking app to improve accountability for 75+ individuals with disabilities and 150+ caregivers
- Collaborate with designers to refine prototypes, offering technical expertise on the capabilities of the MERN stack
- Work closely with stakeholders to address the specific needs of individuals with IDD and their families

CareYaya — Sep. 2023 – Present
Designer — *Nashville, TN*
- Cooperate with team of 7 and stakeholders to develop an improved flashcards app for medical students by brainstorming ideas at meetings and gathering stakeholder input to meet technical requirements
- Conduct in-depth secondary research on existing flashcards apps to understand features and areas for improvement
- Design and execute interviews with medical students to identify needs and challenges related to flashcards apps

Self-Employed — Feb. 2021 – Present
Academic Tutor — *Sugar Land, TX*
- Coach 12+ students aged 5-18, boosting grades and SAT scores by more than 20% within one semester
- Clarified complex concepts from students' perspectives by reviewing practice problems and providing mini lessons
- Delivered individualized summer crash course curricula for students with lessons, quizzes, and interactive activities

Courtyard Cuisine — May 2023 – Aug. 2023
Server — *Sugar Land, TX*
- Efficiently communicated and resolved conflicts to serve 50+ daily customers from diverse backgrounds
- Coordinated effectively with a small team and kitchen staff, ensuring smooth workflow in high-stress settings
- Managed the restaurant during off-peak hours, creating a seamless dining experience without direct supervision

PROJECTS

Recipe Generator | *React, Firebase* | github.com/xnscdev/TimelessTaste
- Collaborated with three teammates to implement a ChatGPT API in a React website with Firebase authentication
- Drafted low-fidelity prototype using Figma and translated final design to code using React and Tailwind CSS
- Programmed responsive design with Google Maps API to display nearest locations to enhance accessibility

Word Unscrambling Game | *React, Express.js* | github.com/yifeifang11/unscramble
- Developed a full-stack word unscrambling game by writing a RESTful API to fetch, scramble, and send words
- Created a minimalistic frontend with scoring system using React and implemented word validation with Express.js
- Added gamified features like hints, health bar, sound effects, and word rescrambling to boost user engagement

WordPress Theme | *HTML, CSS, JavaScript, PHP* | github.com/yifeifang11/wordpress-custom-theme
- Devised a minimalist and user-friendly custom WordPress theme with responsive design and intuitive navigation
- Implemented backend functionalities for custom posts, category display, and pagination

TECHNICAL SKILLS & INTERESTS

Languages: Java, HTML/CSS, JavaScript, Python, PHP, C++
Frameworks & Tools: React, React Native, Node.js, JUnit, WordPress, Express.js, MongoDB, Git, Figma, Firebase
Interests: Table Tennis, Blogging, Hiking, Anime, Reading Philosophy, Ultimate Frisbee