

# Yifei Fang

832-757-8013 | [yifei.fang@vanderbilt.edu](mailto:yifei.fang@vanderbilt.edu) | [linkedin.com/in/yifeifang11](https://www.linkedin.com/in/yifeifang11) | [yifeifang11.github.io](https://yifeifang11.github.io)

## EDUCATION

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### Vanderbilt University

*B.S. in Computer Science & B.A. in Economics*

**Coursework:** Algorithms and Data Structures, Discrete Math, Linear Algebra, Calculus III

Nashville, TN

*Expected May 2027*

## EXPERIENCE

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### Friends Life Community

*Frontend Developer*

Sep. 2023 – Present

*Nashville, TN*

- Develop a tracking app to improve accountability for 75+ individuals with disabilities and 150+ caregivers
- Collaborate with designers and backend developers to refine prototypes and implement efficient frontend features, ensuring seamless and secure integration with backend services and a cohesive end-to-end user experience
- Work closely with stakeholders to address the specific needs of individuals with IDD and their families

### CareYaya

*UX Designer*

Sep. 2023 – Present

*Nashville, TN*

- Cooperate with a team of 7 and stakeholders to design 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
- Modeled low- and high-fidelity prototypes by incorporating gathered data from interviews, surveys, and research

### Self-Employed

*Academic Tutor*

Feb. 2021 – Present

*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

*Server*

May 2023 – Aug. 2023

*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

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### Habit Tracker | *MongoDB, Express.js, React, Node.js* | [github.com/yifeifang11/rabits](https://github.com/yifeifang11/rabits)

- Integrated gamified features into a full-stack habit tracker using the MERN stack for a seamless user experience
- Designed a RESTful API with endpoints for creating, updating, and deleting habits and game-related data
- Rendered a responsive and intuitive user interface to handle page navigation and display habits and progress bar

### Recipe Generator | *React, Firebase* | [devpost.com/software/timeless-taste](https://devpost.com/software/timeless-taste)

- Collaborated with three teammates to implement a ChatGPT API in a React website with Firebase authentication
- Drafted a low-fidelity prototype using Figma and translated the 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](https://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, a health bar, sound effects, and word rescrumbling to boost user engagement

## TECHNICAL SKILLS & INTERESTS

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**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, Writing, Hiking, Anime, Reading Philosophy, Ultimate Frisbee