

# YIFEI FANG

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## EDUCATION

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### VANDERBILT UNIVERSITY

B.E. in Computer Science, B.A. in Math & Economics

Cumulative GPA: 3.868/4.0

Relevant Coursework: Data Structures & Algorithms, Discrete Math, Linear Algebra, Multivariable Calculus

Nashville, TN

Expected May 2027

## WORK EXPERIENCE

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### FRIENDS LIFE COMMUNITY

Software Developer

Nashville, TN

Sep 2023 – Present

- Improve accountability for 75+ individuals with disabilities and 150+ caregivers by creating an attendance management app.
- Implement smooth frontend features by translating designs to responsive interface and integrating backend functionality.
- Draft, test, and write API endpoints for efficient communication with server, storage in database, and secure authentication.

### CAREYAYA

UX Researcher

Nashville, TN

Sep 2023 – Present

- Create report for an improved flashcards app with team of 7 by analyzing research data and modeling prototypes with Figma.
- Gather user data by conducting in-depth secondary research and interviews with medical students to identify student needs.

## PROJECTS

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### FRIENDS LIFE - ATTENDANCE MANAGEMENT APP

- Developing tracking system for 225+ users with React Native, the MERN Stack, Firebase authentication, and a calendar API.
- Increasing user engagement by adding posts, comments, and direct messaging features for caregivers and parents.

### TIMELESS TASTE - AI RECIPE GENERATOR

- Generated elderly-friendly recipes based on dietary restrictions and preferences by using React and a ChatGPT wrapper.
- Engineered an intuitive interface with Tailwind CSS and a save feature in recipe history with Firebase.

### RABITS - HABIT TRACKER APP

- Designed gamified habit tracking system with the MERN Stack by constructing add, delete, edit, and complete habit functions.
- Executed secure user authentication with JWT tokens to save user habits and leveling progress.

## SKILLS & INTERESTS

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**Programming Languages:** Advanced in Java, Javascript, HTML/CSS; Proficient in MATLAB, Python, C++, PHP

**Frameworks & Tools:** React, React Native, Next.js, Express.js, Node.js, MongoDB, Firebase, Git, Figma, WordPress

**Interests:** Table Tennis, Blogging, Hiking, Reading Philosophy, Anime

## ACTIVITIES

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### THE ASIAN AMERICAN ADVOCACY PROJECT

Team Member

Nashville, TN

Dec 2023 – Present

- Generate annual report to assess campus climate for Asian students at Vanderbilt University based on disaggregated data.
- Establish foundation for financial support by communicating effectively with current and potential donors and organizations.

### TUTORING

Academic Tutor

Sugar Land, TX

Feb 2021 – Present

- Boost grades and test scores of 10+ K-12 students by more than 10% in one semester through mini lessons and clarification.

### COURTYARD CUISINE

Academic Tutor

Sugar Land, TX

May 2023 – Aug 2023

- Served 50+ daily customers from diverse backgrounds by coordinating with a small team in a high-stress environment.