

Ziyue Fang

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EDUCATION

Columbia University

B.S. in Computer Science

- **GPA:** TBD/4.00

New York City, NY

Jun. 2025 – Jun. 2028

Vanderbilt University

B.S. in Computer Science

- **GPA:** 3.97/4.00 | **SAT:** 1550

- **Relevant Courses:** Multivariable Calculus, Program Design and Data Structures, Discrete Structures, Algorithms

Nashville, TN

Jun. 2024 – Jun. 2025

Singapore International School (Hong Kong)

- **IB:** 43/45

Hong Kong, China

EXPERIENCE

Zoomob

Full-Stack Developer - Internship

- Built a **scalable AI SaaS** app boilerplate with **NextJS**, Supabase, and **TypeScript** to accelerate **B2C** product development
- Integrated **Google OAuth**, **Stripe Checkout**, and **Mailgun** for authentication, payments, and transactional email
- Designed modular components for rapid deployment of AI-powered apps with built-in billing and user management

Hong Kong, China

May – July 2025

Vanderbilt University

Undergraduate Researcher

- Implemented **parallel testing** for Vanderbilt University's custom AI software website functionality.
- Collaborated alongside Dr Jules White from Vanderbilt University to research applications of **Large Language Models** (LLMs)
- Leveraged prompt engineering to create chatbot assistants to support Vanderbilt campus.

Nashville, TN

Jan. 2025 – May 2025

Eureka Nova

Technical Consultant - Internship

- Applied **electrical engineering skills and principles** to calculate average costs and time for each charging plug. Supported investment decisions and outweighed the cost and benefits to the firm. Conducted a cost-benefit analysis to identify the most efficient and scalable solution for the firm.
- Conducted **technical research and analysis** on one of their potential products, a charging robot for electric cars, to advise investment decisions, such as the pros and cons of each charging plug type.

Hong Kong, China

June 2023

PROJECTS

ConversoAI - AI Tutoring SaaS Platform

Full-Stack Developer | **Next.js**, **Supabase**, **Stripe**, **TypeScript**, **VapiAI**

Github | <https://github.com/Tobbs2005/ConversoAI>

- Developed a real-time AI tutoring platform enabling users to chat with AI on any topic of choice, simulating personalized teaching
- Implemented full-stack functionality including **user authentication**, **subscription management and payments** using NextJS, Supabase and Stripe.
- Deployed and maintained scalable SaaS features such as **rate limiting**, **token tracking**, and **user session control**

- **To-Do App** – Task Management Web Application

Backend Developer | **Node.js**, **Express.js**, **PostgreSQL**, **JWT**, **JavaScript**

Github | https://github.com/Tobbs2005/todo_app

- Developed a full-stack to-do list app with features to **add**, **remove**, **update**, and **complete tasks**
- Implemented user authentication using **JWT tokens**, enabling secure, stateless login sessions
- Built a **RESTful API** using **Express.js** to handle CRUD operations and route logic

SKILLS & INTERESTS

Technical Skills: Java, Python, C++, HTML, CSS, Javascript, Typescript, React, SQL

Languages: English (Native), Mandarin (Proficient), Cantonese (Intermediate)