

# Shihua Yin

shihuaok@gmail.com | +44 07880 809 267

Portfolio: <https://shihuayin.github.io/> LinkedIn: <https://www.linkedin.com/in/shihuayin/>

## Summary

---

**Graduate Software Engineer** with hands-on experience in full-stack development using **React, Node.js, Express, RESTful APIs and SQL databases**. Experience in **designing and building online services and APIs**. Familiar with SQL (MySQL) and NoSQL (MongoDB, Firebase) database development. Adept at **building dashboards and data visualizations**, and skilled at translating Figma designs into high-performance UI components. Understanding of responsive design, accessibility, and performance best practices. Skilled in **Agile** methodologies and proficient with **Git** for version control. Committed to writing clean, maintainable code and a fast learner adept at leveraging AI tools to boost productivity. **Available immediately**.

## Education

---

**Goldsmiths, University of London | Computer Science | Bachelor**

**09/2022 – 06/2025**

- Course Modules: Web Development, Databases and the Web, Software Design and Development, Object Oriented Programming, Data Mining, Agile Software Projects, Artificial Intelligence.

## Technical Skills

---

**Programming Languages:** JavaScript, Python, HTML, CSS

**Frameworks:** React, Node.js, Express.js, REST APIs, Context API, Bootstrap, Tailwind CSS

**Database:** MySQL, MongoDB, Firebase

**Cloud & DevOps:** Firebase Hosting, Git, CI/CD (GitHub Actions), Vercel

## Volunteer Experience

---

**Web Developer - East London Waterworks Park**

**12/2024 – 04/2025**

- Transitioned the site from a PHP-based structure to React, significantly improving performance and user experience. Collaborated with designers in bi-weekly Google Meet sessions to convert Figma wireframes into reusable React components, ensuring a consistent and responsive user interface.

## PROJECTS

---

**Personal Financial Management System | React, Firebase, Recharts, SDK | [Link](#)**

- A full-stack financial management system based on React + Firebase Firestore, enabling users to add, delete, modify, and query 50,000+ income and expenditure records in real time, as well as multi-dimensional filtering based on description, type, and date range
- Designed interactive dashboards: KPI cards + Recharts bar charts/pie charts, presenting total income, total expenditure, net profit, and classification distribution and time trends in real time
- Fully responsible for architecture design, Firestore data modeling and indexing, and using Tailwind CSS to achieve responsive layout, optimize first screen rendering and table paging performance

**Stock Data Dashboard | Python, FastAPI, React | [Link](#)**

- Build a full-stack stock data dashboard based on FastAPI, integrate yfinance historical quotes, analyst ratings and NewsAPI news, and visualize real-time market trends
- Design and optimize asynchronous API routing, batch process and parse data, and ensure high performance and scalability
- React front-end combine Tailwind CSS and Recharts, and create interactive charts, rating views, news lists and responsive side navigation

**Real-time Collaborative Kanban System | React, Firebase (Firestore), Tailwind CSS | [Link](#)**

- Designed a three-tier data model (board/column/card) and leveraged Firestore onSnapshot to enable millisecond-level drag-and-drop sorting and cross-column syncing for 150+ cards.
- Developed custom Button, Modal, and Skeleton components; used Tailwind safelist to generate multiple theme colors while ensuring keyboard accessibility and responsive layouts
- Created real-time Recharts pie and bar dashboards to display project progress and label distributions; authored scripts to batch import test data and optimize Firestore indexes, reducing environment setup time by 80%.

## Key Strengths

---

- Able to rapidly distill key business points and break them down into actionable tasks.
- Proficient in Scrum/Kanban, with strong cross-functional communication and risk-management skills.
- Adheres to SOLID principles and test-first practices.