

Yangdong(Daniel) Yue

✉ yydyd0318@gmail.com | ☎ (+1)-669-689-4003 | 🌐 www.shuatixia.fun
🌐 https://www.linkedin.com/in/yangdong-yue | 🐙 github.com/YdWj1314

Education

Northeastern University, MS in Computer Science Sep 2024–Dec 2026

- GPA: 3.9/4.0
- **Coursework:** Discrete Structures, Data Structures & Algorithms, Object-Oriented Design

Experience

Data Engineering Intern, China Unicom Software Institute – Beijing, China May 2025 – July 2025

- Contributed to the Data Middle Platform team, focusing on dataset construction and preprocessing for enterprise analytics use cases
- Independently developed Python scripts to automate web data scraping and cleaning, delivering 9,000+ records into enterprise data pipelines and improving dataset coverage and accuracy

Audit Associate (Full-time), PricewaterhouseCoopers (PwC) – Beijing, China Dec 2021 – Jul 2024

- Led annual and interim audits for Fortune 500 clients, analyzing large financial datasets to identify anomalies and compliance risks, while collaborating with cross-functional teams and clients
- Automated data reconciliation with Excel VBA and SQL, reducing manual workload by 20% and improving team efficiency

Projects

Shuatixia – Full-Stack Quiz Practice Platform (Next.js, TypeScript, PostgreSQL, SWR, Vercel) www.shuatixia.fun

- Conceived and built from scratch, transforming a personal need into a **full-stack web application**
- Designed and implemented the **frontend** using **Next.js (App Router)** with **TypeScript** and **Ant Design**, supporting hybrid **SSR/CSR** rendering, responsive layouts, and dynamic UI interactions
- Built a custom **session-based authentication** system with **secure cookie handling** and **role-based access control**, backed by **PostgreSQL**
- Designed and implemented **RESTful APIs** for user authentication, favorites management, and bank/question retrieval, ensuring clear resource-oriented endpoints and consistent JSON responses
- Modeled relational **database schema** in **Supabase/Postgres** for users, sessions, question banks, and favorites, enforcing constraints for scalability and data integrity
- Delivered user-facing features including **free registration**, **login/logout**, **keyword-based question bank search**, **topic-based browsing**, **exam mode**, **favorites**, and **optimistic UI updates with SWR**
- Deployed via **CI/CD pipeline** on **Vercel**, launched and maintained with active real-world users

Smart Park Management Platform (React, Redux, ECharts, Axios, Webpack) GitHub Repo

- Built global state management with **Redux Toolkit** to streamline user sessions, permissions, and data flow
- Developed dynamic **data visualization** with **ECharts**, enabling multi-dimensional dashboards and real-time rendering
- Integrated **Axios interceptors** for consistent API request, response, and error handling across the platform
- Enhanced **scalability** by configuring **Webpack code splitting** and optimization, reducing initial load time
- Added **internationalization (i18n)**, **theme switching**, **dynamic routing**, and **route guards** with 404 redirection

Certifications & Skills

Certifications: AWS Certified Developer – Associate, Certified Public Accountant (China)

Languages: Java, JavaScript, TypeScript, CSS, SCSS, HTML, Python, SQL

Frameworks: React, Next.js, Spring Boot, Ant Design

Databases: PostgreSQL, MySQL, Redis

Cloud & Tools: AWS, Vercel, Git/GitHub, Supabase