SHUNLONG YE

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🎓 EDUCATION

Nanjing University of Science and Technology (Recommended)   Master of Science, Computer Science and Technology, Ranking: 1/362   2022 – 2025

Nanjing Normal University   Bachelor of Engineering, Software Engineering, Ranking: 1/64 2018 – 2022

👥 WORK & PROJECT EXPERIENCE

WiseTech Global   2024.11 – Present

System Components - CORE / .NET Software Engineer

- **Core Component Upgrades & Maintenance:** Responsible for cross-version upgrades of components like the MailKit engine. Resolved diamond dependency conflicts in .NET hybrid build environments and added NTLM fallback connection logic to ensure backward compatibility.
- **Concurrency Troubleshooting:** Investigated and repaired `ThreadSentry` cross-thread access exceptions. Improved the lifecycle management of Weak Reference caches, preventing secondary memory leaks caused by performance diagnostic tools.
- **System Stability & Memory Leak Resolution:** Migrated legacy WinForms systems to a Web framework. Identified mismanaged event deregistration in UI controls using production logs, averting critical handle exhaustion crashes by rectifying flawed closure logic.
- **Query Optimization & Report Enhancements:** Refactored timeout issues in legacy reports querying global write logs. Migrated global event queries to a read-only audit database and rewrote data-fetching logic, drastically reducing invalid log polling.
- **UI Automation Testing:** Refactored and optimized unstable waits in existing end-to-end test cases, migrating legacy test scripts natively to the Playwright framework.

Medical Data & QA System   2025.09 – Present

AI Full-Stack Developer / Deployed in Beijing Shijitan Hospital, Shanghai 4th People's Hospital, etc.

- **Data Visualization & Monitoring:** Developed an operational dashboard for physical examination centers, functionally integrating real-time monitoring of consultation room utilization, abnormal queueing alerts, and comprehensive patient trajectory tracking.
- **LLM Interactive Modules:** Integrated large language models via the MCP protocol to implement multi-turn natural language QA capabilities combined with historical medical data; supported one-click generation and exporting of various reports through AI instructions.
- **Triage Strategy Analysis:** Analyzed unreasonable workflows by calculating department distance matrices and compiling historical patient queue trajectories, providing automated triage parameter adjustment suggestions.

🏆 OTHER EXPERIENCES / ACHIEVEMENTS

- **Awards:** Silver Medal at the ACM-ICPC Asia Regional Contest (Team Leader); National Scholarship recipient during both Bachelor's and Master's stages.
- **Academic Research:** First author of top-tier conference and journal papers (CCF A / TVCG and SCI Q1 / TIP in Computer Vision).
- **Early Experience:** Interned as a Java Development Engineer at Alibaba Group (successfully secured a full-time return offer).
- **Leadership & Sharing:** Former captain of the university algorithm team; invited speaker at internal AI technology sharing sessions at WiseTech Global.