

Yanyu (Daffodil) Wu

⌚ Hamilton, Ontario 📞 (289)925-7191 🎬 wuyanyu0921@outlook.com

Experience

Meituan

Senior Software Development Engineer

Sep 2023 - July 2025

Beijing, China

- Key contributor to building a no-code data analysis platform (**6K+ daily PV, 1K+ UV**), enabling internal users to perform complex data queries and analytics without writing SQL.
- Led architecture refactoring towards **Domain-Driven Design** (DDD), owning the development of the Query Builder module and Analytical Engine module .
- Designed and implemented a performance monitoring SDK adopted across multiple projects, providing real-time tracking of **memory usage, crash rates, and FPS**, with automated alerting on performance degradation.
- Architected and deployed a **memory profiling solution** leveraging **Chrome DevTools Protocol** (CDP) to trace high-memory-consuming code paths. This diagnostic system identified and resolved 3 critical memory bottlenecks, improving average memory utilization by **16%**.
- Played a key role in the frontend migration from **Vue 2 to Vue 3**, resolving third-party library incompatibilities and modernized the codebase with minimal disruption.

Meituan

Junior Software Development Engineer

July 2022 - Sep 2023

Beijing, China

- Owned the development and maintenance of a SQL query and data retrieval portal (**20K+ DAU**), empowering internal teams to perform efficient ad-hoc analytics.
- Implemented **Cypress**-based E2E testing with a pre-push Git hook, ensuring only passing code with significant changes (>100 LOC) is pushed, improving code reliability.
- Designed and implemented real-time SQL query validation, including syntax error detection and full-table scan risk warnings, which reduced execution errors by **30%**, cut full-table scans by **20%**, and improved average query speed by **5%**.
- Modularized the core application into a **micro-frontend**, enabling seamless integration with 3 internal platforms.

Ant Group

Front-end Development Intern

July 2021 - Sep 2021

Hangzhou, China

- Developed an interactive **3D product display component** for the Education Savings Plan module, utilizing device gyroscope to trigger real-time animation based on phone orientation. This feature enhanced user engagement and led to a **14% increase in insurance order conversion rate**.
- Improved page performance by **reducing loading time by 10%**, leveraging Webpack optimizations such as replacing heavy libraries with lighter alternatives and implementing on-demand dynamic imports.

Cosinx

Part-time Fullstack Developer

August 2025 - Present

Hybrid

- Website: <https://dev.mindplot.ai>
- **Architected and delivered a full-stack AI data visualization platform** with ChatGPT-level streaming experience.
- Designed **Domain-Driven frontend architecture** with Provider Onion Model and multi-store state management (**Zustand**). Built **SSE-based real-time streaming system** with intelligent deduplication and incremental Markdown parsing for unclosed code blocks.
- Implemented **versioned image persistence system** on **Supabase Storage** with thread-safe caching (**threading.Lock**) and dual-write consistency.

Education

Harbin Institute of Technology

Software Engineering

Sep. 2018 - June 2022

Bachelor of Software Engineering

McMaster University

Computer and Software Engineering

January 2026 - January 2028

Master of Engineering

Skills

Languages

TypeScript, Python, GoLang, HTML/CSS, Java

Frameworks

React.js, Vue.js, Flask, Nginx, ElasticSearch, Next.js, Django

Devtools&Platforms

Git, NPM, Postman, Vite, Webpack, Cypress

Knowledge

CI/CD, RESTful API, JSON, XML, E2E Testing