

Yun-Chen Lee

608-896-5504 | donkey.leelee@gmail.com | LinkedIn: [yunchen-lee-donkey](#) | GitHub: [Donkey0322](#) | [donkeylee.com](#) | Madison, WI

EDUCATION

University of Wisconsin–Madison, Madison, WI

Sep 2025 – May 2027

Master of Science in Computer Science, GPA: 3.9/4.0

- Related Courses: Distributed Systems, Big Data Systems, Database Management Systems, Data Visualization

National Taiwan University (NTU), Taipei, Taiwan

Sep 2020 – Jun 2024

Bachelor of Business Administration in Information Management, GPA: 3.93/4.0

SKILLS

- **Languages:** TypeScript, JavaScript, Python, Java, C, C++, SQL, HTML, CSS
- **Frontend:** React, Vue, Next.js, Nuxt.js, React Native, Three.js, Storybook, Playwright
- **Backend:** Node.js, Fastify, Spring Boot, Django, Flask, FastAPI, REST, gRPC
- **Databases:** PostgreSQL, MySQL, MariaDB, Oracle DB, MongoDB, Redis
- **Infrastructure:** Docker, Kubernetes, Jenkins, CI/CD, Helm, NGINX, Git
- **Big Data Systems:** Spark, Kafka, Hadoop, Cassandra, BigQuery

WORK EXPERIENCE

Software Engineering Intern, TSMC — Hsinchu, Taiwan

May 2026 – Aug 2026

- Developed codebase-aware **AI Skills** with **Azure MCP** integrations to automate external-dependency decoupling in 500+ **Spring Boot** tests, enabling reusable modernization rollout across 30+ repositories
- Migrated database-coupled unit tests into mock-based integration tests and **Playwright** E2E suites, maintaining 70+% test coverage while tracking decoupling ratio and SonarQube code-quality metrics

Frontend Software Engineer Intern, 1111 Job Bank — Taipei, Taiwan

Apr 2025 – Jul 2025

- Engineered a **Vue.js** event management dashboard to streamline RabbitMQ workflows across 20+ services, reducing manual handling by 70% through CRUD tools, RBAC, and type-safe API integrations
- Prototyped an AI-driven layout editor in **Nuxt.js**, integrating **Figma MCP** to enable non-technical users to generate structured page blocks across 3 block types and 5+ templates without engineer support

Backend Software Engineer Intern, NTU — Taipei, Taiwan

Sep 2023 – Jul 2025

- Refactored a legacy course allocation system handling 1M+ course-student pairs in **Python** and **PostgreSQL**, integrating **Jenkins**-triggered API pipelines to automate workflows for 30K+ students
- Architected and shipped NTU's greenfield course enrollment module in **Fastify**, designing API, validation framework, and repository architecture to centralize 20+ registrar policies into reusable services

Frontend Software Engineer Intern, Appier — Taipei, Taiwan

Jan 2024 – Mar 2025

- Optimized CI/CD build performance by diagnosing dependency graph fragmentation and enforcing deterministic package resolution, reducing pipeline build time by 65%
- Improved UI reliability by resolving asynchronous state inconsistencies with deterministic request sequencing and client-side interaction locking, reducing Datadog-tracked rendering failures by 87%

Frontend Software Engineer Intern, Crescendo Lab — Taipei, Taiwan

Jul 2023 – Jan 2024

- Built company-wide reusable **React** and **TypeScript** UI component libraries as internal npm packages, with **Storybook** and **Django** BFF integrations, accelerating repeated feature delivery from weeks to hours

PROJECTS

Explore details and demos at [donkeylee.com](#)

AI-Powered Job Tracking System [\[Link\]](#)

Oct 2025 – Present

- Launched an open-source **TypeScript (Node.js)** job-tracking template, processing 6,600+ roles from 1,500+ companies with ATS JD crawlers, concurrent fetching, and URL deduplication
- Delivered an **LLM**-powered filtering workflow that transforms job descriptions into structured role signals, applies user-defined criteria, and sends timely matches through automated email alerts