

CHENGGONG (EDWIN) LIU

Graduate Software Engineer

Application development, asynchronous systems and APIs | Available Dec 2026

Singapore | +65 9778 0333 | cgliusjtu@gmail.com | [LinkedIn](#) | [GitHub](#)

Graduate candidate developing software in Python, C# and TypeScript. Builds asynchronous systems and data-driven applications, with experience in API integration, failure recovery, automated checks and bilingual stakeholder reporting.

RELEVANT EXPERIENCE

IMMRSIV

Jun 2026-Present

Engineer Intern, Simulation Software and Digital Twin | Singapore

- Develop asynchronous loading, shared cache/upload budgets and multi-camera sensor paths, with GPU culling, indirect rendering and repeatable validation.

Paradox Interactive

Oct 2025-Present

Community Data Analyst, China Market | Freelance, remote

- Build Python/API and LLM workflows for feedback classification, topic analysis and source-backed stakeholder reports, with retries, structured outputs and human approval.

SELECTED SOFTWARE PROJECTS

Multilingual Community Intelligence Assistant

2026

React / TypeScript / Cloudflare development runtime

- Built a React/TypeScript application with tenant-scoped ingestion, evidence-backed retrieval and human review on local Cloudflare D1/R2 emulation.
- Added same-key upload recovery, fenced job processing and signed Access JWT verification, with local D1 concurrency and HTTP checks; remote AI/resource acceptance remains pending.

ActionStream

2026

Python / LeRobot / asynchronous inference | [Source \(private\)](#)

- Built a LeRobot-compatible asynchronous policy runtime with episode-owned queues, cancellable process transport and revision-tagged action delivery; repaired **11 reproduced lifecycle failures** and added native X-VLA/LIBERO development tooling.

TECHNICAL SKILLS

Languages and applications: Python, C#, TypeScript, SQL, React, APIs, Cloudflare Workers

Systems and delivery: Concurrency, cancellation, retry recovery, JWT validation, Git, CI, diagnostics

EDUCATION

National University of Singapore

Expected Dec 2026

M.Sc. Biomedical Engineering

Shanghai Jiao Tong University

Sep 2020-Jun 2024

B.Sc. Bioinformatics; Minor in Applied Psychology

Languages: Mandarin (native); English (professional; IELTS 7.5)