

NAGAHARA IKUMA - Software Engineer

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Education Background

Shanghai International Studies University 【Bachelor of Arts Graduated in 2021, GPA: 3.4/4.0】

East China Normal University 【Master of Software Engineering, Expected Graduation in 2026】

PROFESSIONAL EXPERIENCE

Pixel Software Corporation 2021.04 - 2023.06

Software Engineer

Go Gin Unit Test Python Django Pytest SQL TCP/IP socket programming Windows

- Successfully translated customers' IT requirements into concrete designs, developed, and improved the previous C gateway system into a new Go、Python gateway system, and provided various deliverables including functional and technical designs, models, code, unit tests, and comprehensive document.
 - Developed communication applications by Go, Python in factory plants.
 - Programmed TCP / IP based socket gateway to save real-time-data from factory sensors into a database and pass the data to a web frontend.
- Employed the Waterfall methodology to effectively plan, develop, and make software documentations
- Demonstrated a strong commitment to individual and team goals, while continuously enhancing professional effectiveness within a team environment consisting of 7 members in total.

FEATURED MY PROJECTS

PyCat 🌐 <https://github.com/namashin/PyCat> GoCat 🌐 <https://github.com/namashin/GoCat>

Python Go Windows Mac

- Displays a system tray icon that changes based on CPU usage.
- Allows switching between different animal-themed icons (cats, horses, parrots) from the system tray menu.
- Supports launching applications (WeChat, QQ, Chrome) directly from the system tray menu.

GoDrone 🌐 <https://github.com/namashin/GoDrone>

Go Gin GoBot ffmpeg OpenCV

- **Remote Controller:** Control the dji Tello drone remotely through a web browser.
- **Video Streaming:** Stream live video from the drone's camera.

Languages

- Japanese (Native)
- English (Fluent)
- Chinese (Fluent: HSK6 level)