Luu Nam Dat

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About Me

I am Luu "iluvgirlswithglasses" Nam Dat, birthyear 2004. I am passionate about crafting solutions for challenging projects. Weekly reports irritate me as they make me spend time on other things than getting my job done.

Education

University of Science - VNUHCM **October 2022 – Today**
Bachelor of Computer Science *Ho Chi Minh City, Vietnam*

Areas of Expertise

- Algorithmic Development
- Data Structures
- Mathematic Applications
- Computer Vision
- Systems Programming
- Compiler Utilization
- Operating Systems
- Computer Architecture

Experience

Kc97ble (Free Contest) **October 2021 – October 2022**
Backend Developer *Ho Chi Minh City, Vietnam*

- Developed a web service to facilitate the renowned competitive programming contests.
- Acquired proficiency in Typescript, NodeJS, and RESTful API development.
- Demonstrated strong version control skills with Git, effectively collaborating in complex code bases, and consistently producing clean and high-quality source code.

SiGlaz VN Ltd. **October 2022 – Today**
Computer Vision Scientist *Ho Chi Minh City, Vietnam*

- Worked as an independent researcher.
- Flawlessly integrated independent researches/projects into team project, regardless of the technological discrepancies.
- Developed expertise in comprehending and creating complex technical articles and documents, contributing to the knowledge base of the organization.

Remarkable Solo Projects

EuphoAFIS | *C++, CMake, Clang+LLVM, Unix, Windows, No 3rd-party* **2023**

- A platform-independent, highly accurate & performant automatic fingerprint identification system, meticulously optimized to the micro-architecture level of each device on which it is compiled.
- Is capable of performing precise one-to-many matching within 1 second, in a database of 5 million fingerprints.
- Was fully funded by SiGlaz VN Ltd.
- Was deployed on Debian Linux Servers, Windows Servers, MacOS Servers, and AWS.

EuphoFP | *C#, .NET Core, .NET Framework, Unix, Windows, No 3rd-party* **2023**

- A robust and reliable fingerprint feature extraction library, designed for .NET cross-platform development.
- Has excellent resistance to noises and scratches; Is unaffected by the impact of pressure on the fingerprint impression; Has great tolerance to low-quality fingerprint images; Et cetera.
- Was fully funded by SiGlaz VN Ltd.

Technical Skills

Has profound knowledge of the language and the compiler of: C++
Proficient at: C#, C, Python, Java, Typescript, Javascript, HTML/CSS
Technologies: Linux, Windows, Cloud Computing
Documentation Tools: LaTeX, (R) Markdown, Slides,...

Extracurricular

Competitive Programming **January 2021 – October 2022**
Ho Chi Minh City

- Accomplished outstanding achievements in regional contests and showed a strong performance in national competitions.
- Possesses competent experience in international online tournaments.
- Proven versatility in both solo and team-based competitive programming. Additionally, I can be a good teacher!