

# LUU NAM DAT

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## About Me

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

## Education

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**University of Science - VNUHCM**

*Bachelor of Computer Science*

**October 2022 – Today**

*Ho Chi Minh City, Vietnam*

## Areas of Expertise

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

## Experience

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**Kc97ble (Free Contest)**

*Backend Developer*

**October 2021 – October 2022**

*Ho Chi Minh City, Vietnam*

- Developed a web service to operate highly-anticipated competitive programming contests.
- Became familiar with Typescript, NodeJS, and RESTful API in the process.
- Gained general development skills, including: A complete mastery of git version control; The ability to work in complicated code bases; The capability to produce clean and quality source code; Et cetera.

**SiGlaz VN Ltd.**

*Computer Vision Scientist*

**October 2022 – Today**

*Ho Chi Minh City, Vietnam*

- Worked as an independent researcher.
- Flawlessly integrated independent researches/projects into team project, regardless of the discrepancies in technologies.
- Gained the comprehensive proficiency in reading complex technical articles & documents, as well as in composing them.

## Remarkable Solo Projects

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

**2023**

- A platform-independent, high accuracy & high performance automatic fingerprint identification system, 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, AWS.

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

**2023**

- A robust and reliable fingerprint feature extraction library, written 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

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**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

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**Competitive Programming**

*Competitor*

**January 2021 – October 2022**

*Ho Chi Minh City*

- Accomplished outstanding achievements in regional, and notable results in national programming contests.
- Has competent experience in international online programming tournaments.
- Is skilled as both a solo competitor and a team member.