




Phan Anh Pham

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PROFILE SUMMARY

- Fourth-year Information Technology student at Hanoi University of Science and Technology with a strong foundation in C++ programming, object-oriented design, and developing scalable software systems.
- Experienced in multi-threading, concurrent programming, and distributed systems.
- Experienced in tools such as Git, JIRA, and UML modeling, with hands-on experience in professional office environments, following release flow processes.
- Eager to expand my expertise to include GPU-specific optimization techniques such as CUDA, to further enhance AI model performance.

EDUCATION

Hanoi University of Science and Technology <i>Information Technology</i>	2021 - Now CPA: 3.4/4.0
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RELEVANT COURSEWORK

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| • Object-oriented programming: A+ | • Data Structures & Algorithms: A |
| • Computer Architecture: A | • ITSS Software Development: A |

ACHIEVEMENT / CERTIFICATE

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| • SAMSUNG Scholarship for disadvantaged SOICT students | Jan 2024 |
| • TOEIC Listening and Reading: 905/990 | Nov 2024 |

EXPERIENCE

Object-Oriented Programming Course TA <i>Teaching Assistant</i>	Oct 2024 – Dec 2024
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- Developed quizzes to help instructors assess student understanding of OOP concepts.
- Guided student mini-projects with continuous feedback.
- Assisted in grading sections of the final exam, ensuring fair and consistent evaluation.
- Designed and conducted a lab to teach students about Git release flow through hands-on examples.

System Engineer Talent - Viettel Aerospace <i>Intern</i>	May 2024 – Nov 2024
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- Viettel Digital Talent 2024 Program: Participated in an intensive training program focused on high-performance system development.
- Person Search Service: Developed a multi-layered C++ facial recognition service that processes and stores a full day of 4K images from 50 cameras, efficiently converting these into vector embeddings for similarity search.
- Gained experience in distributed systems, event-driven architecture, concurrent programming, and large-scale data handling.

AI R&D, Sun* Vietnam <i>Intern</i>	Aug 2023 – Nov 2023
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- Fine-tuned the SoftVC VITS Singing Voice Conversion model to improve voice conversion quality.
- Built a high-quality podcast audio dataset for training and evaluation.
- Gained experience in dataset curation, model fine-tuning, and Vietnamese language processing in AI systems.

SKILLS

Programming Languages: C/C++, Python, Java

Tools: Git, Docker, Astah UML, Jira

AI Fundamentals: Solid foundation in basic machine learning algorithms such as linear regression, support vector machines, random forest, and a general understanding of deep learning models.

PROJECTS

Socket Chatter | *C++, QT, QML*

Dec 2024 - Now

- Developed a LAN-based real-time messaging app supporting text, images, and video.
- Utilized Qt's signal-slot mechanism to implement asynchronous communication between components.
- Built a responsive and visually appealing user interface using QML.

TSP-GA | *Java, JavaFX, Astah UML*

Nov 2023 - Jan 2024

- Led a team to design a genetic algorithm for solving the Traveling Salesman Problem.
- Developed an interactive and intuitive JavaFX-based user interface to visualize the algorithm's optimization process and evolution over time.