

Minh Hieu Nguyen

PhD Candidate – Computer Science

Griffith University, Australia

 <https://scholar.google.com/citations?user=4FQSRo4AAAAJ&hl=en>
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Summary

My research focuses on **machine learning** and **artificial intelligence**, with particular emphasis on **federated learning**, **recommender systems**, **time-series analysis**, and **trustworthy AI**. My work aims to develop robust, efficient, and explainable learning frameworks that address *data sparsity*, *non-IID distributions*, and *reliability* in *real-world data-driven systems*.

Research : Author of **12 peer-reviewed publications**, including **6 international conference papers (1 CORE A*)** and **6 Q1 journal articles**. Research topics include *machine learning*, *time-series forecasting*, *graph learning*, *recommender systems*, and *federated learning*.

Teaching : Teaching assistant and tutor at **Griffith University** across **five academic semesters**, contributing to *tutorial delivery*, *student consultation*, *assessment support*, and *coordination with course convenors* in **computer science**, **data science**, and **artificial intelligence** courses. Recipient of the **2024 Student Experience of Teaching Survey Commendation**.

Grant support : Contributed to the preparation of **two successful Australian Government-funded research grants** under the **Aus4Innovation program**, supporting *literature review*, *methodology design*, and *technical sections*.

Software & engineering : Strong background in **Python-based research** and **software development**, with experience building *machine learning pipelines*, *experimental frameworks*, and *full-stack systems* to support **research and teaching activities**.

Education

02.2023–Present	Doctor of Philosophy (PhD) in Computer Science , Griffith University, Australia School of Information and Communication Technology
10.2020–12.2021	Master of Data Science and Artificial Intelligence , Hanoi University of Science and Technology, Vietnam School of Information and Communication Technology CGPA : 3.9/4.0
09.2015–09.2020	Engineer of Software Engineering , Hanoi University of Science and Technology, Vietnam School of Information and Communication Technology

Work Experience

12.2019–02.2023	Research Assistant , ICN Laboratory (BK.AI), Hanoi University of Science and Technology, Vietnam
01.2021–08.2021	Research Assistant , Smart Health & Service Laboratory, VinUniversity, Vietnam
10.2017–05.2018	Software Developer (Part-time) , OpenCommerce Group, Vietnam

Honors and Awards

2024	Student Experience of Teaching Survey Commendation, Griffith University
2021	Best Presentation Award, Summer School on Advances in Data Science and Artificial Intelligence, Hanoi University of Science and Technology
2021	First Place, Hackathon 2021, jointly organized by IBM Vietnam and Hanoi University of Science and Technology
	Temasek Foundation International Specialists' Community Action and Leadership Exchange Program

Highlighted Teaching Activities

T3-2025	Data Management , <i>Teaching assistant</i> , Griffith University
T1-2025	Data Structures and Algorithms , <i>Teaching assistant</i> , Griffith University
T1-2025	Computing Algorithms , <i>Teaching assistant</i> , Griffith University
T1-2025	Big Data Analytics , <i>Teaching assistant</i> , Griffith University
T1-2025	Introduction to AI Big Data Analytics , <i>Teaching assistant</i> , Griffith University
T3-2024	Data Management , <i>Teaching assistant</i> , Griffith University
T2-2024	Introduction to AI Big Data Analytics , <i>Teaching assistant</i> , Griffith University
T2-2024	Data Processing and Visualisation , <i>Course Designer</i> , Griffith University
T2-2023	Introduction to Big Data Analytics , <i>Teaching assistant</i> , Griffith University
T1-2023	Big Data Analytics , <i>Teaching assistant</i> , Griffith University
T1-2023	Computing Algorithms , <i>Teaching assistant</i> , Griffith University

</> Languages

- > **Vietnamese** : Native speaker
- > **English** : PTE Academic 90/90 (Listening 90, Speaking 90, Reading 89, Writing 90)

“ References

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Phi Le Nguyen, Associate Professor
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+ Links

- > Google Scholar : scholar.google.com
- > LinkedIn : linkedin.com/in/minh-hieu-nguyen