

LAM-DUY NGUYEN

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PUBLICATION

- [SIGMOD'26] "Predictive Translation: High-Performance Buffer Management Without the Trade-Offs", Michael Zinsmeister, **Lam-Duy Nguyen**, Viktor Leis, Thomas Neumann. ACM SIGMOD International Conference on Management of Data, 2026
- [SIGMOD'25] "Moving on From Group Commit: Autonomous Commit Enables High Throughput and Low Latency on NVMe SSDs", **Lam-Duy Nguyen**, Adnan Alhomssi, Tobias Ziegler, Viktor Leis. ACM SIGMOD International Conference on Management of Data, 2025
- [ICDE'24] "Why Files If You Have a DBMS?", **Lam-Duy Nguyen**, Viktor Leis. IEEE International Conference on Data Engineering, 2024
- [VLDB'22] "In-Page Shadowing and Two-Version Timestamp Ordering for Mobile DBMSs", **Lam-Duy Nguyen**, Sang-Won Lee, Beomseok Nam. International Conference on Very Large Databases, 2022

EDUCATION

Technical University of Munich	Germany
Ph.D., Computer Science	2023 – Present
Sungkyunkwan University	South Korea
M.Sc., Computer Science and Engineering - GPA: 4.25/4.5	2020 – 2022
Vietnam National University, Hanoi	Vietnam
B.Sc., Computer Science - GPA: 3.36/4.0	2013 – 2017

PROFESSIONAL EXPERIENCE

Microsoft Research	Seattle, USA
Research Intern – Data Systems Group	2025
Picket Homes Inc	Vietnam
Software Engineer	2022 – 2023
Worldquant LLC	Vietnam
Software Engineer	2017 – 2020

TEACHING EXPERIENCE

Practical Course: Data Structure Engineering [Lecturer]	Germany
Technical University of Munich	2023 - 2024
Practical Course: Introduction to C++ [Lecturer]	Germany
Technical University of Munich	2024
Data Structure Engineering [Teaching Assistant]	Germany
Technical University of Munich	2024 - 2025

MENTORING

Master's Students

- Doan-Anh-Khoa Nguyen, *Unifying Filesystems and Databases into a Single Storage System*, 2025
- Beyza Altuntas, *Cost-based Buffer Management for Cloud OLAP*, 2025

Bachelor's Students

- Moritz Linsmaier, *Analysis-Optimized B-tree*, 2026
- Cao-Long Vu, *Optimizing Group Commit*, 2026
- Alisa Dubkova, *Empirical Evaluation of Vector Indexing in LeanStore*, 2025
- Lukas Englhauser, *Evaluation of Lock-Free Hash Tables for Buffer Management*, 2024
- Thua-Duc Nguyen, *Concurrent Range Locking*, 2024

SERVICE

(External) Reviewer: VLDB'25, TKDE'25

Shadow Program Committee: VLDB'26

Artifacts Availability & Reproducibility Committee: SIGMOD'25

AWARD & CERTIFICATE

STEM Scholarship for International Graduate Students

South Korea

Sungkyunkwan University

2020 – 2022

Second prize in Vietnam National Olympiad in Informatics

Vietnam

2012

REFERENCE

- **Viktor Leis (Ph.D. Advisor)**

Professor, Technical University of Munich, Germany

Email: leis@in.tum.de

- **Beomseok Nam (Sc.M. Advisor)**

Professor, Sungkyunkwan University, Korea

Email: bnam@skku.edu

- **Sang-Won Lee**

Professor, Seoul National University, Korea

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