

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

PROFESSIONAL EXPERIENCE

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

TEACHING EXPERIENCE

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

Sungkyunkwan University

Second prize in Vietnam National Olympiad in Informatics

South Korea

2020 – 2022

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
Email: swlee69@snu.ac.kr