

Zhenghong Yu

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<https://vlDB.dev>

RESEARCH INTERESTS	Query Optimization Recursive query processing, worst-case optimal joins Declarative Queries Datalog, extensible query languages	
EDUCATION	University of Wisconsin-Madison Ph.D. in Computer Science – Advisor: Prof. Paris Koutris	Madison, WI Sep. 2024–Present
	ShanghaiTech University B.E. in Computer Science and Technology – Advisor: Prof. Haoxian Chen	Shanghai, China Sep. 2020–Jul. 2024
PROFESSIONAL EXPERIENCE	Database Group, University of Wisconsin-Madison Research Assistant. Advisor: Prof. Paris Koutris	Madison, WI Jan. 2025–Present
	IDM Lab, University of Southern California Research Intern. Advisor: Prof. Sven Koenig	Los Angeles, CA Mar. 2024–Jun. 2025
	Database Group, University of Wisconsin-Madison Research Intern. Advisor: Prof. Xiangyao Yu	Madison, WI May 2023–Sep. 2024
HONORS AND AWARDS	Teaching Assistant Scholarship University of Wisconsin-Madison	2024
	Exchange Program Scholarship ShanghaiTech University	2023
	Second Prize Winner RoboMaster University Championship (RMUC)	2022
PUBLICATIONS	P2. Hangdong Zhao, Zhenghong Yu , Srinag Rao, Simon Frisk, Zhiwei Fan, Paraschos Koutris, <i>FlowLog: Efficient and Extensible Datalog via Incrementality</i> , Proceedings of the VLDB Endowment, August 2026. P1. Yimin Tang, Zhenghong Yu , Jiaoyang Li, Sven Koenig, <i>Accelerating Focal Search in Multi-Agent Path Finding with Tighter Lower Bounds</i> , Proceedings of IROS , October 2025.	
TEACHING	CS564 DBMS: Design and Implementation, TA CS220 Data Science Programming I, TA CS564 DBMS: Design and Implementation, TA	Fall 2025 Spring 2025 Fall 2024
PROFESSIONAL SERVICE	VLDB Shadow PC Member WISC Database Seminar, Organizer	2027 Fall 2025, Spring 2026