Yu-shan Lin

Curriculum Vitae

✉ *yslin@datalab.cs.nthu.edu.tw*
https://www.slmt.tw/

Education

2016-Present   **Ph.D.**, *Computer Science, National Tsing Hua University*, Taiwan.
Advisor: Shan-Hung Wu

2014-2016   **M.Sc. (unfinished)**, *Computer Science, National Tsing Hua University*, Taiwan.
Overall GPA: 3.97
Advisor: Shan-Hung Wu

2010-2014   **B.Sc.**, *Computer Science, National Tsing Hua University*, Taiwan.
Overall GPA: 3.86, Ranking: 14/122

Publications

January 2019   **MgCrab: Transaction Crabbing for Live Migration in Deterministic Database Systems**.
Yu-Shan Lin, Shao-Kan Pi, Meng-Kai Liao, Ching Tsai, Aaron Elmore, and Shan-Hung Wu
Proc. of the **VLDB** Endowment 12.5 (2019): 597-610

June 2016   **T-Part: Partitioning of Transactions for Forward-Pushing in Deterministic Database Systems**.
Shan-Hung Wu, Tsai-Yu Feng, Meng-Kai Liao, Shao-Kan Pi, and **Yu-Shan Lin**
Proc. of the 2016 ACM Int'l Conf. on Management of Data (**SIGMOD**)

Selected Project

VanillaDB.
http://www.vanilladb.org/
A collection of simple-to-read, fast, and extensible database system components aiming to lower the barrier of new-system prototyping and/or learning the database internals.

ElaSQL.

http://www.elasql.org/

A distributed relational database system prototype that aims at offering high scalability, high availability, and elasticity to the on-line transaction processing (OLTP) applications.

Experience

2018-2019	**Teaching Assistant**. Introduction to Database Systems (CS471000), National Tsing Hua University
August 2018	**Lecturer**. DB/AI Bootcamp, MOST Joint Research Center for AI Technology and All Vista Healthcare
2014-2017	**Teaching Assistant**. Cloud Database Systems (CS574000), National Tsing Hua University
2014-2015	**Teaching Assistant**. Web Programming, Technologies, and Applications (CS343100), National Tsing Hua University
2014	**Teaching Assistant**. Software Studio (CS241002), National Tsing Hua University
July 2013	**Lecturer**. 3D Modeling using SketchUp, National Tsing Hua University

Skills

Programming	C, C++, Java, Rust, C#, Python, Javascript
OS	CentOS, Fedora, macOS, Windows
Human Lang.	Mandarin (native), English (TOEFL iBT: R28, L28, S17, W20), Japanese (N2)