

YESHENG LIANG (梁业升)

UC San Diego ◇ La Jolla, CA, US

liang2kl@outlook.com ◇ [Homepage](#) ◇ [GitHub](#)

EDUCATION

Tsinghua University

B.Eng. in Computer Science and Technology (GPA: 3.75)

2019 – 2024

Beijing, China

University of California, San Diego

Master in Computer Science and Engineering

2024 – expected 2026

La Jolla, CA, US

RESEARCH EXPERIENCE

Research Assistant

Xtra Computing Group, National University of Singapore

Aug. 2023 - Jan. 2024

Advised by Prof. Bingsheng He

- Proposed a novel method Tree-as-a-Prompt to train decision trees by interacting with language models.
- Responsible for proposing ideas, system design, and implementation.

Research Assistant

Storage Research Group, Tsinghua University

Jan. 2022 – Mar. 2023

Advised by Prof. Youyou Lu

- Explored user-level scheduling methods in hybrid transactional/analytical processing (HTAP) systems.
- Achieved lower latency of AP while maintaining high throughput of TP.
- Responsible for system design and implementation.

Research Assistant

Institute of Trustworthy Networks and Systems, Tsinghua University

Sept. 2020 – Jan. 2021

Advised by Prof. Jiliang Wang

- Explored indoor positioning approaches with new generations of Wi-Fi NICs capable of Fine Timing Measurement (FTM).
- Responsible for writing a program to interact with NIC drivers, retrieve FTM statistics, and perform positioning.

SELECTED PROJECTS

Whiz Reader An iOS PDF reader that provides convenient interactions for looking up words and translating documents. Garnered 35,000+ purchases on the App Store and received 600+ ratings, with an average of 4.5. [\[App Store\]](#)

Tree Hollow Official iOS client for a student-running forum of Tsinghua University. Used by more than 15,000 students from several universities. [\[App Store\]](#)

Museum+ An iOS app utilizing AR to boost museum touring experience. Participated in the official Apple student developer contest in China. [\[Docs \(Chinese\)\]](#)

MkDocs Blogging Plugin An open-sourced blogging plugin for the static site generator MkDocs. Reached 6,000+ downloads per month on PyPI and got 80+ stars on GitHub. [\[GitHub\]](#)

Config Service An online code runner platform for flexible distribution of application configuration. Provided and mentored by ByteDance, this is a project of the Software Engineering course (team leader, personal grade: A+). [\[GitHub\]](#)

RISC-V CPU A five-stage pipelined RISC-V CPU implemented with SystemVerilog, running on FPGAs. Supports RISC-V privilege stack including privileged instructions, virtual memory, exceptions, etc., and is capable of running a simple educational operating system (uCore). Receives full marks in the course. [\[GitHub\]](#)

DBMS A built-from-scratch database management system that supports most of the basic SQL and advanced features including indexing and table joins. [\[GitHub\]](#)

HONORS AND AWARDS

- Academic Excellence Scholarship, Tsinghua University, 2023.
- Academic Improvement Scholarship, Tsinghua University, 2022.
- Social Work Excellence Scholarship, Tsinghua University, 2020.

SKILLS

Languages	C/C++, Python, Swift, Rust, Go, JavaScript, Bash, SQL, VHDL, SystemVerilog
Frameworks	UIKit & SwiftUI, React, Django, Flask, Gin
Tools	Git, L ^A T _E X, Docker, Make, CMake, Bazel

*Last updated on **October 14, 2024***