Ze-Jia Lin 林泽佳

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🎓 Education

Sun Yat-sen University, Guangzhou, China *2022 – 2027 (expected)*
Ph.D. student of Computer Science

Northwestern Polytechnical University, Xi'an, China *2018 – 2022*
Bachelor Degree of Software Engineering Rank: 22 / 259

📕 Publications

MixPert: Optimizing Mixed-Precision Floating-Point Emulation on GPU Integer Tensor Cores

LCTES'24

- **Zejia Lin**, Zejia Lin, Aoyuan Sun, Xianwei Zhang and Yutong Lu. In Proceedings of the 25th ACM SIG-PLAN/SIGBED International Conference on Languages, Compilers, and Tools for Embedded Systems, 2024.
- Available online. `https://dl.acm.org/doi/10.1145/3652032.3657567`

KeSCo: Compiler-based Kernel Scheduling for Multi-task GPU Applications *ICCD'23*

- **Zejia Lin**, Zewei Mo, Xuanteng Huang, Xianwei Zhang and Yutong Lu. In Proceedings of the IEEE 41th International Conference on Computer Design, 2023.
- Available online. `https://ieeexplore.ieee.org/document/10361015`

moTuner: A Compiler-based Auto-tuning Approach for Mixed-precision Operators *CF'22*

- Zewei Mo, **Zejia Lin**, Xianwei Zhang, and Yutong Lu. In Proceedings of the 19th ACM International Conference on Computing Frontiers, 2022.
- Available online. `https://dl.acm.org/doi/10.1145/3528416.3530231`

👥 Experiences

Teaching Assistant, Compiler Principles, Sun Yat-sen University *2023.03 – 2023.07*
Teaching assistant of undergraduate course, implement a compiler for a subset of C language. Introduce LLVM framework in class and release programming homeworks.

Backend Develop Intern, Wechat Pay, Tencent *2021.07 – 2021.09*
Build a Django-based Wechat robot to manage backend testing issues from develop team. Add features to access Tencent's TAPD project management system.

⚙ Skills

- English CET-6: 610 / 750
- Programming Languges: C/C++, CUDA, Python

♡ Honors & Awards

Sun Yat-sen University *First Class Scholarship*	*Year 2022, 2023*
Tencent *Excellence Scholarship*	*Year 2023*
Northwestern Polytechnical University *Distinguished Graduate*	*Year 2022*
Northwestern Polytechnical University *First Class Scholarship*	*Year 2019, 2020, 2021*
CCCC Wechat Mini Program Development *Second Price (Leader)*	*2022.08*