Xiangyu Zhou

Phone:(+1) 206-636-7554
Email: xiangyz@umich.edu
Homepage: https://kevinxiangyuzhou.github.io/

EDUCATION:

University of Michigan | Ann Arbor, MI, USA — ***2022 — Now***
Ph.D. candidate in Computer Science
Advisor: Dr. Xinyu Wang

University of Washington | Seattle, WA, USA — ***2018 —2022***
B.S. in Computer Engineering

RESEARCH INTERESTS:

- Disciplines: Programming Language, Artificial Intelligence, Human-Computer Interaction
- I investigate on broad principles of code generation. My goal is to build user-friendly code generation tools that can streamline development across various domains.

PUBLICATIONS:

(* means equal contribution)

[2] Efficient Bottom-Up Synthesis for Programs with Local Variables
Xiang Li*, **Xiangyu Zhou***, Rui Dong, Yihong Zhang, Xinyu Wang

POPL 2024 (ACM SIGPLAN Symposium on Principles of Programming Languages)

[1] Synthesizing Analytical SQL Queries from Computation Demonstration
Xiangyu Zhou, Rastislav Bodik, Alvin Cheung, Chenglong Wang

Distinguished Paper Award.

PLDI 2022 (Proceedings of the ACM SIGPLAN Conference on Programming Language Design and Implementation)

AWARDS & GRANTS:

- OpenAI Researcher Access Program, 2024
- Rackham Conference Travel Grant, 2023
- SIGPLAN Professional Activities Committee Award, 2023
- SIGPLAN Professional Activities Committee Award, 2022
- Distinguished Paper Award at PLDI, 2022

TALKS:

- Efficient Bottom-Up Synthesis for Programs with Local Variables, MIT Programming Language Review 2024, 05/2024 (virtual)
- Efficient Bottom-Up Synthesis for Programs with Local Variables, POPL 2024, 01/2024, London, UK

SERVICES:

- Student Volunteer, PLDI 2023 (Proceedings of the ACM SIGPLAN Conference on Programming Language Design and Implementation)

TEACHING:

- EECS481 Software Engineering (Graduate Student Instructor) (Fall 2023, Winter 2024)
- CSE 461 Introduction to Computer Networks (Teaching Assistant) (Winter 2022)

SKILLS:

- Programming Languages: Proficient in Python, SQL, Java, R. Experienced in Rust, Go, JavaScript, C, C++, OCaml
- Languages: Mandarin(native), English(proficient), Japanese(experienced)