

Chia-Yi Su

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Education

University of Notre Dame

PHD IN COMPUTER SCIENCE AND ENGINEERING

- Advisor: Collin McMillan

Notre Dame, IN

2022 - present

Research Interests

Software engineering, Program comprehension, Code Summarization, Large language models

Publications

JOURNAL PAPERS

- C. Su**, A. Bansal, C. McMillan, “Revisiting File Context for Source Code Summarization”, in Automated Software Engineering Journal (ASE Journal), Volume 31, article 62, 2024.
- C. Su** and C. McMillan, “Semantic Similarity Loss for Neural Source Code Summarization”, in Journal of Software Evolution and Process (JSME), 2024, <https://doi.org/10.1002/smr.2706>.
- C. Su**, C. McMillan, “Distilled GPT for Source Code Summarization”, in Automated Software Engineering Journal (ASE Journal), Volume 31, article 22, 2024

CONFERENCE SHORT PAPERS

- C. Su**, A. Bansal, V. Jain, S. Ghanavati, C. McMillan, “A Language Model of Java Methods with Train/Test Deduplication”, in 31st ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering, Tool Demos (ESEC/FSE '23), San Francisco, California, USA, December 3-9, 2023.
- A. Bansal, **C. Su**, Zachary Karas, Y. Zhang, Y. Huang, T. Li, C. McMillan, “Modeling Programmer Attention as Scanpath Prediction”, in 38th IEEE/ACM International Conference on Automated Software Engineering, New Ideas and Emerging Results (ASE'23 NIER), September 11 - 15, 2023.

Presentations

CONFERENCE PRESENTATIONS

- C. Su**, C. McMillan, “Distilled GPT for Source Code Summarization”, in Automated Software Engineering Journal (ASE Journal), Volume 31, article 22, 2024. (Journal first presentation at ASE'24)
- ”A Language Model of Java Methods with Train/Test Deduplication,”ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (ESEC/FSE'23)
- ”Modeling Programmer Attention as Scanpath Prediction,” IEEE/ACM International Conference on Automated Software Engineering (ASE 23)

Activities

Student volunteer: ASE'24

Teaching Experience _____

Spring 2023 **Data Structure**, Teaching Assistant, University of Notre Dame

Others _____

FAA Student Pilots