Chia-Yi Su

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Education

University of Notre Dame *Notre Dame, IN*
PhD in Computer Science and Engineering *2022 - present*
- Advisor: Collin McMillan

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

"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)

Actvities

Student volunteer: ASE'24

Teaching Experience

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