ZITONG (ERIC) ZHOU

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RESEARCH INTERESTS

Software Engineering; Programming Languages; Compilers; Machine Learning.

EDUCATION

University of California, Los Angeles (UCLA)   *Sep 2023 – Present*
Ph.D in Computer Science, *advised by Prof. Miryung Kim*

University of Illinois at Urbana-Champaign (UIUC)   *Aug 2021 – May 2023*
M.Eng. in Electrical and Computer Engineering

New York University   *Sep 2017 – May 2021*
B.A. in Computer Science & Mathematics

PUBLICATIONS

AquaSense: Automated Sensitivity Analysis of Probabilistic Programs via Quantized Inference. Zitong Zhou,
Zixin Huang, Sasa Misailovic. *Automated Technology for Verification and Analysis (ATVA)*. 2023.

RESEARCH EXPERIENCE

LLM-assisted Fuzzing of Deep Compiler Logic   *UCLA*
advised by Prof. Miryung Kim
Approximate Sensitivity Analysis of Probabilistic Programs   *UIUC*
advised by Prof. Sasa Misailovic

WORK EXPERIENCE

Dept. of Computer Science, UCLA   *Sep 2023 – Present*
Graduate Student Researcher   *Los Angeles, CA*

Dept. of Computer Science, UIUC   *May 2021 – Aug 2021*
Researcher   *Urbana, IL*

NYU CS 201 & 202   *Spring '20 – Spring '21*
Grader   *New York, NY*

DJI   *Summer '18*
Intern – Robotics Algorithm   *Shenzhen, China*
Implements a robotics control algorithm using behavior tree in *ROS*

SKILLS

· Programming Languages: C, C++, Python, Java

· Libraries, Frameworks & Tools: PyTorch, LLVM, American Fuzzy Lop, ANTLR, Mathematica