

Xinyue LIU (刘心悦)

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Personal Website: <https://aaronxyliu.github.io/about-me>

EDUCATION BACKGROUND

Ph.D.	University at Buffalo, SUNY , New York, USA (CS Ranking: No.74 worldwide) Interested in software engineering on web applications; advised by Lukasz Ziarek Department of Computer Science and Engineering	2021 – Current
B.S.	Nanjing University , Nanjing, China Department of Computer Science and Technology GPA: 4.26/5.0	2016 – 2020

PROFESSIONAL SKILLS

Computer languages: C++, Python, JavaScript, R, Lua, HTML, C#, WebAssembly, Shell, Perl, Go, OCaml

HONORS AND AWARDS

Freshman Scholarship, Nanjing University	2016
People's Scholarship (Level-3), Nanjing University	2016 – 2020

PUBLICATIONS

X. Liu, L. Ziarek, "PTV: Better Version Detection on JavaScript Web Library Based on Unique Subtree Mining," The ACM International Conference on the Foundations of Software Engineering (FSE 2025). **CCF-A**

X. Liu, Z. Song, W. Fang, W. Yang, W. Wang, "WEX: Intelligent Automatic Generation of Explicit Waits for Efficient Web End-to-End Flaky Tests," The Web Conference 2024 (WWW 2024). (Acceptance: 20.2%, 405/2008) **CCF-A**

X. Liu, L. Ziarek, "PTdetector: An Automated JavaScript Front-end Library Detector," 38th IEEE/ACM International Conference on Automated Software Engineering (ASE2023). (Acceptance: 21%, 103/629) **CCF-A**

Y. Yan, Y. Zheng, **X. Liu**, N. Medvidovic, W. Wang, "AdHere: Automated Detection and Repair of Intrusive Ads," 45th IEEE/ACM International Conference on Software Engineering (ICSE 2021). (Acceptance: 26%, 209/796) **CCF-A**

A. Romano, **X. Liu**, Y. Kwon, W. Wang, "An Empirical Study of Bugs in WebAssembly Compilers," 36th IEEE/ACM International Conference on Automated Software Engineering (ASE 2021). (Acceptance: 19.2%, 82/427) **CCF-A**

X. Liu, Yanhui Li, "Is Bigger Data Better for Defect Prediction: Examining the Impact of Data Size on Supervised and Unsupervised Defect Prediction," 12 pages, Sep. 2019, WISA 2019 **CCF-C**

INTERNSHIP

Game Developer , TiMi J5 Studio, Tencent , China	June – Sep. 2019
<ul style="list-style-type: none">Participated in developing a major online game and was responsible for building the game's combat logic.Produced an efficient development tool to speed up the product iteration process.	

EXTRACURRICULAR ACTIVITY

Phantom Magic Club, Nanjing University, Minister	Sep. 2017 – June 2018
Volleyball Team, Nanjing University, Captain	Sep. 2017 – June 2018

TEACHING EXPERIENCE

University at Buffalo, SUNY, Buffalo, NY

Sep. 2021 – June 2023

Teaching Assistant of Graduate-level Algorithm Analysis Course, Prof. Xin (Roger) He