

Yuefeng Hu

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Education

The University of Tokyo

Oct 2022 to Sep 2024

MS in Computer Science

- GPA: 4.0/4.0
- Published a conference paper at [SLE '24](#), and open sourced all source codes and artifacts

Beijing University of Posts and Telecommunications

Sep 2017 to Jul 2021

BS in Software Engineering

- GPA: 3.3/4.0
- **Coursework:** Data Structure and Algorithm, Internet Protocols, Advanced Network Programming, Database Management System, Software Engineering, Data Warehousing and Data Mining

Experience

Software Engineer Intern

Haidian, Beijing

ZTE

Sep 2021 to Nov 2021

- Developed a lightweight, real-time network traffic monitoring and classification tool on Linux
- Designed and built a website with pandoc and chart.js for internal use, and integrated the tool to display the real-time network traffic
- Automated the deployment of the web server using shell scripts

Publications

Bugfox: A Trace-Based Analyzer for Localizing the Cause of Software Regression in JavaScript

Oct 2024

Yuefeng Hu, Hiromu Ishibe, Feng Dai, Tetsuro Yamazaki, Shigeru Chiba
[10.1145/3687997.3695648](#) (SLE '24)

Projects

Bugfox

[GitHub](#)

- Developed an automated trace-based analyzer, Bugfox, to identify the root cause of software regressions in JavaScript applications. The tool uses heuristic strategies based on invocation order and frequency, achieving 83% accuracy on 12 real-world regressions from the BugsJS benchmark. Bugfox effectively diagnoses those regressions with minimal memory overhead and fast performance, solving each regression in under 1 minute.
- Tools Used: JavaScript, Git, Shell, Node.js

Sand

[GitHub](#)

- A programming language written in C++ with a ll(1) parser and a simple interpreter. It supports explicit function inlining, function redefinition, labeled loop, etc.
- Tools Used: C++, Makefile

Technologies

Languages: C, C++, Java, JavaScript, Python, Go, SQL, HTML/CSS

Technologies: Node.js, Linux, Make/CMake, Git, Docker, Shell Scripting, Nginx, Scrum Development

Interests

Finderstyle Guitar: [Bilibili@IceFox99](#)

Video Games: Dota 2, Soulsborne, Monster Hunter, RPG, RTS, etc.

Anime: Rick and Morty, Fullmetal Alchemist, Cowboy Bebop, Clannad, etc.

Go (game): Amateur 4 dan