

YUJIN ZHANG

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EDUCATION

Nanjing University, China

B.E. in Software Engineering(anticipated)

Overall GPA: 4.56/5.00 Ranking: 10/259

Sep 2021 - Present

RESEARCH EXPERIENCE

Identifying Roles in CVE Resolution for Open Source Software

July 2024 - Present

Advised by Prof. Haojian Jin

HDSI, University of California San Diego

- Conducting a mixed-method analysis on over 500 recent CVE entries from GitHub Python projects to identify key roles in the CVE resolution process.
- Analyzing collaboration patterns and role dynamics to understand how different contributors interact and impact the efficiency of CVE resolution.

Trust Label Design for Open Source Software

Mar 2024 - June 2024

Advised by Prof. Haojian Jin

HDSI, University of California San Diego

- Consolidating human factors-related information about an open-source GitHub repository and Designing Trust-Percentile.md, a Markdown-formatted label, to help novice developers better understand the risks of using a specific repository.
- Developing web service that enables authenticated GitHub users to automatically generate a TrustPercentile.md file and create a pull request to add this file to a specified repository.

Scaling Inter-procedural Dataflow Analysis on the Cloud

Nov 2023 - Aug 2024

Advised by Prof. Zhiqiang Zuo

Computer Science, Nanjing University

- Devising and implementing a novel distributed worklist algorithms to accelerate the incremental dataflow analysis through two steps: reachability analysis and incremental analysis.
- Providing a variety of high-level APIs for BigDataflow-incremental to easily implement client dataflow analyses.

AWARDS AND HONORS

Outstanding Student of Nanjing University

Sep 2022, Sep 2023

Nitori International Scholarship(Top 5%)

Sep 2023

Tencent Scholarship of Nanjing University(Top 3%)

Sep 2022

Second Prize in National High School's Mathematics Competition of China

Sep 2020

First Prize in National Olympiad in Informatics in Provinces

Nov 2018

TECHNICAL STRENGTHS

Technical Skills

Programming Languages(C++, Java, Python), Backend(Spring Boot, Redis),
Frontend(HTML, CSS, JavaScript), Developer Tools (Idea, Maven, Git)

Languages

Chinese(native), English(S24 in TOEFL)