

YUJIN ZHANG

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EDUCATION

Nanjing University, China

Sep 2021 - Present

Bachelor of Engineering (B.E.) in Software Engineering (Expected)

Overall GPA: 4.56/5.00 Ranking: 10/259

RESEARCH EXPERIENCE

(Ongoing) Social Dynamics of Fixing Common Vulnerabilities and Exposures

July 2024 - Present

Advised by Prof. Haojian Jin

HDSI, University of California San Diego

- Conducting a mixed-method analysis on recent CVE entries from open-source software projects to study stakeholder interactions that move the fixing process forward.
- Identifying key factors that are statistically significant in accelerating the fixing process within self-organized communities(e.g., Github).

(Manuscript) Trust Label Design for Open Source Software

Mar 2024 - June 2024

Advised by Prof. Haojian Jin

HDSI, University of California San Diego

- Designing TrustPercentile.md, a Markdown-formatted label that consolidates human factors-related information about open-source software projects, to assess the trustworthiness of open-source projects.
- Developing a web service that enables authenticated users, including both consumers and maintainers, to automatically generate TrustPercentile.md files for open-source software projects.

(Manuscript) 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 algorithm to accelerate incremental dataflow analysis within open-source software projects.
- Providing a variety of high-level APIs for this framework to facilitate the easy implementation of client-specific 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 Mathematics Competition of China

Sep 2020

First Prize in National Olympiad in Informatics (Provinces)

Nov 2018

TECHNICAL STRENGTHS

Technical Skills

Programming Languages(Python, C/C++, Java), Frontend(HTML, CSS, JavaScript),
Backend(Spring Boot, Redis), Big Data (Hadoop, Kafka)

Languages

Chinese(Mandarin), English(S24 in TOEFL)