

# YUJIN ZHANG

yujinz0381@gmail.com | cloudsreal.github.io

## 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(CVEs)**

*July 2024 - Present*

*Advised by Prof. Haojian Jin*

*HDSI, University of California San Diego*

- Conducting a mixed-method analysis on the process of fixing CVEs to study how participants take different roles and collaborate with shared responsibility in this process.
- Identifying key factors that are statistically significant in accelerating the successful resolution of CVEs 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 over large-scale software systems(e.g., Linux kernel).
- 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

<b>Technical Skills</b>	Programming Languages(Python, C/C++, Java), Frontend(HTML, CSS, JavaScript), Backend(Spring Boot, Redis), Big Data (Hadoop, Kafka)
<b>Languages</b>	Chinese(Mandarin), English(S24 in TOEFL)