

Siyu Yu

Phone: (0086) 15277152073 | Email: gaiusyu6@gmail.com

HOME PAGE: <https://gaiusyu.github.io/>

RESEARCH INTREST

Intelligent software engineering, with special interests in Log Analysis (Log Parsing, Log Compression, Log-based Anomaly Detection).

PERSONAL STATEMENT

I am currently a Ph.D. student in Peking University, supervised by professor Ying Li. I received the B.S. and M.S. degree from Guangxi University, supervised by professor Ningjiang Chen. I was a research assistant in the School of Data Science with The Chinese University of HongKong Shenzhen, Shenzhen, China, supervised by professor Pinjia He.

My research lies within Software Engineering, with special interests in software log analysis. My work has been published at the top venues, such as FSE, ASE, TSC, JSS;

All the codes related to my paper are open source in my code repository <https://www.github.com/gaiusyu>.

EDUCATION

1. School of Computer and Electronic Information, Guangxi University

Bachelor of Engineering, Educational Technology Major, GPA: 82/100

Nanning, China

September 2016 – July 2020

2. School of Computer and Electronic Information, Guangxi University

Computer Technology Major, Master student. GPA: 90/100 RANK 9/134

Nanning, China

September 2020 – June 2023

3. The Chinese University of Hongkong, Shenzhen

Research Assistant

Shenzhen, China

June 2023 – July 2024

4. Peking University

Ph.D. Student

Shenzhen, China

Sep 2024 – Now

PUBLICATIONS

Selected Research Papers:

ID	Title	Conference/Journal	Authors	Level
01	Unlocking the Power of Number s: Log Compression via Numeric Token Parsing	The 39th IEEE/ACM International Conference on Automated Software Engineering (ASE 2024)	Siyu Yu , Yifan Wu, Ying Li, Pinjia He*.	CCF-A
02	Log Parsing With Generalization Ability under Unseen Log Types.	ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (ESEC/FSE2023)	Siyu Yu , Yifan Wu, Zhijing Li, Pinjia He, Ningjiang Chen*, Changjian Liu.	CCF-A ,
03	Brain: Log Parsing with Bidirectional Parallel Tree	IEEE Transactions on Service Computing (TSC 2023)	Siyu Yu , Pinjia He, Ningjiang Chen*, Yifan Wu.	CCF-A , Impact factor=11.019
04	Self-supervised Log Parsing Using Semantic Contribution Difference.	Journal of Systems and Software (JSS 2023)	Siyu Yu , Ningjiang Chen*, Yifan Wu, WenSheng Dou.	CCF-B Impact factor=3.514
05	Predicting Gray Fault Based on Context Graph in Container-based Cloud.	2021 IEEE International Symposium on Software Reliability Engineering Workshops (ISSREW)	Siyu Yu , Ningjiang Chen*, Birui Liang.	

SERVICES

2023

External Reviewer

- IEEE International Conference on Software Analysis, Evolution and Reengineering (SANER 2023)
- Empirical Software Engineering (EMSE 2023)

2024

External Reviewer

- The 39th IEEE/ACM International Conference on Automated Software Engineering (ASE 2024).
- The 35th IEEE International Symposium on Software Reliability Engineering (ISSRE 2024)
- Internetware 2024

FUNDING AND REWARDS

1. Outstanding Master Thesis Award of Guangxi University;
2. 2023 Outstanding graduates of Guangxi University;
3. 2022 Outstanding Student of Guangxi University;
4. 2022 First-Class Scholarship for Graduate Studies;
5. 2021 First-Class Scholarship for Graduate Studies;
6. 2020 First-Class Scholarship for Graduate Studies;
7. 2017 National English Competition for College Students Excellence Award;
8. Foreign Language Teaching and Research Press Cup National English Reading Contest Excellence Award;
9. Guangxi Third Prize in the 11th National College Students Mathematics Competition.

SOCIAL EXPERIENCE

1. I love sports especially badminton.

Others

Personal github repository for research: <https://github.com/gaiusyu> ,

Google Scholar: <https://scholar.google.com/citations?user=PBRCSToAAAAJ&hl=en&oi=sra>