

Zichuan Xu

zichuanxu28@gmail.com | github.com/ZCXu1 | zichuanxu.github.io/

Education

Huazhong University of Science and Technology	2019.9 – 2023.6
Bachelor of Engineering in Cyberspace Security	Wuhan, China
• GPA: 3.94/4.0 , IELTS: 7.0 , Core Courses & Grades: Linear Algebra: 100, Discrete Mathematics(II): 100, Computer Organization: 98, Calculus(I)(B): 97, Probability Theory and Mathematical Statistics: 97, Discrete Mathematics(I): 96, Advanced Programming Language(C): 93, Calculus(I)(A): 91	

Work Experience

Shanghai Dameng Database	2023.7 – Present
Java Development Engineer	Shanghai, China
• Participated in designing and developing database product interfaces, ensuring optimal user experience and system performance, especially focusing on the creation of a universal installer to simplify the installer creation process for all products.	
• Participated in developing a suite of client-side tools, such as a database management system, especially focusing on optimization techniques to efficiently render vast volumes of database query results to enhance user interactions with big data visualizations.	
• Collaborated cross-functionally with product teams, testers, and designers to refine solutions and adapt to emerging client needs.	

NSFOCUS	2023.2 – 2023.4
Research & Development Intern	Wuhan, China
• Engaged in the creation of the firm's security solutions, executing programming and conducting evaluations to guarantee top-notch outputs.	
• Undertook preliminary technological studies on products, carried out maintenance tasks, addressed customer issues, and offered technical assistance.	

Research Experience

Department of Computer Science at Virginia Tech	2022.4 – 2022.9
Research Assistant	Remote
• Conducted in-depth research on the provenance graph, Graph Neural Network (GNN), and threat hunting.	
• Proposed and developed a graph learning framework in Python for system provenance-based security analysis with potential applications in various downstream tasks like system entity classification and event prediction.	
• Key Contributions:	
1. Prepared and curated data sets for the evaluation of the framework.	
2. Designed and proposed the graph learning framework for security analysis.	
3. Conducted rigorous evaluations to validate the efficacy of the proposed framework.	

Honors & Awards

• Scholarship for Culture and Sports	September 2022
• Second Prize of Blue Bridge Cup of Java Software Development	April 2022
• Scholarship of Mingde for Academic Excellence (top 10% of students)	September 2021
• Scholarship for Academic Excellence	September 2020

Extracurricular Experience

Department of Media of the Student Association Union	2019.10 – 2021.6
Video Editor	Wuhan, China
• Conducted both online and offline training sessions on video editing techniques on instruction in the use of Premiere Pro and After Effects, benefiting over 50 students through tailored training.	
• Produced promotional videos for the Student Association Cultural Festival in 2019 and 2020.	