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## 教学科研简介

白裕德，天津工业大学学软件学院讲师，2023 年毕业于天津大学智算学部，获工学博士学位。发表 CCF 会议或期刊论文 11 篇，其中 CCF A 类会议或期刊论文 3 篇，参与 4 项国家重点研发、面上、青年基金项目。主要研究方向为移动终端安全，包括恶意软件检测、软件安全漏洞分析等。

## 学习经历

（1）2017-09 至 2023-06，天津大学，软件工程专业，博士
（2）2014-09 至 2017-06，天津大学，软件工程专业，硕士
（3）2008-09 至 2012-06，河北大学，软件工程专业，学士

## 工作经历

（1）2023-12 至今，天津工业大学，软件学院，讲师

## 主讲课程

1、《机器学习原理》，研究生课程

## 代表性论文

1. **Yude Bai**, Sen Chen*, Zhenchang Xing and Xiaohong Li*, "ArgusDroid: Detecting Android Malware Variants By Mining Permission-API Knowledge Graph"[J]. In SCIENCE CHINA Information Sciences (SCIS), 2023. (**CCF A**)
2. **Yude Bai**, Zhenchang Xing, Xiaohong Li*, Zhiyong Feng and Duoyuan Ma. "Unsuccessful Story about Few Shot Malware Family Classification and Siamese Network to the Rescue"[C]. In Proceedings of 2020 IEEE/ACM 42nd International Conference on Software Engineering (ICSE), 2020. (**CCF A**)
3. **Yude Bai**, Zhenchang Xing, Duoyuan Ma, Xiaohong Li* and Zhiyong Feng. "Comparative Analysis of Feature Representations and Machine Learning Methods in Android Family Classification "[J]. In Computer Networks (COMNET), 2021. (**CCF B**)
4. Hao Guo, Zhenchang Xing, Sen Chen*, Xiaohong Li*, **Yude Bai** and Jiamou Sun. "Detecting and Augmenting Missing Key Aspects in Vulnerability

Descriptions"[J]. In ACM Transactions on Software Engineering and Methodology (TOSEM), 2021. (**CCF A**)

5. Guoqing Yan, Sen Chen, **Yude Bai**, Xiaohong Li*. "Can Deep Learning Models Learn the Vulnerable Patterns for Vulnerability Detection?"[C]. In Proceedings of the 46th IEEE Computer Society Computers, Software, and Applications Conference (COMPSAC), 2022. (**CCF C**)

6. Jinghui Lyu, **Yude Bai**, Zhenchang Xing, Xiaohong Li* and Weimin Ge. "A Character-Level Convolutional Neural Network for Predicting Exploitability of Vulnerability"[C]. In Proceedings of the 15th Theoretical Aspects of Software Engineering Conference (TASE), 2021. (**CCF C**)

7. Liu Yuan, **Yude Bai**, Zhenchang Xing, Sen Chen, Xiaohong Li* and Zhidong Denge. "Predicting Entity Relations across Different Security Databases by Using Graph Attention Network"[C]. In Proceedings of the 45th IEEE Computer Society Computers, Software, and Applications Conference (COMPSAC), 2021. (**CCF C**)

8. Hao Guo, Zhenchang Xing, Sen Chen, Xiaohong Li*, **Yude Bai** and Hu Zhang. "Key Aspects Augmentation of Vulnerability Description based on Multiple Security Databases"[C]. In Proceedings of the 45th IEEE Computer Society Computers, Software, and Applications Conference (COMPSAC), 2021. (**CCF C**)

9. Duoyuan Ma, **Yude Bai**, Zhenchang Xing and Xiaohong Li*. "A Knowledge Graph-based Sensitive Feature Selection for Android Malware Classification"[C]. In Proceedings of the 27th Asia-pacific Software Engineering Conference (APSEC), 2020. (**CCF C**)

10. Yilin Xu, Weimin Ge, Xiaohong Li*, Zhiyong Feng, Xiaofei Xie and **Yude Bai**. "A Co-occurrence Recommend Model of Software Security Requirement"[C]. In Proceedings of the 13th International Symposium on Theoretical Aspects of Software Engineering (TASE), 2019. (**CCF C**)

11. Junwei Zhang, Tianheng Wang, Chenyang Wang*, **Yude Bai***, Yupeng Zhang, and Yantao Li. "Emotional Polarity Attention Mechanism for Text Sentiment Analysis"[C]. In Proceedings of the 29th International Conference on Database Systems for Advanced Applications (DASFAA), 2024. (**CCF B**)

## 教学科研项目

1. 国家重点研发计划，跨队列数据安全共享机制和可信分析技术研究，在研，参与

2. 国家自然基金青年科学基金项目，基于机器学习的安卓恶意软件检测模型的可解释性研究，在研，参与

3. 国家自然科学基金面上项目，循环和递归的分析方法研究，已结题，参与

4. 国家自然科学基金面上项目，泛在接入条件下移动应用安全关键技术研究，已结题，参与