BENSHAN MEI

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🎓 EDUCATION

University of Chinese Academy of Sciences (UCAS), Beijing, China   2019 – Present
Ph.D. student in Cybersecurity (EE), expected June 2025

China Agricultural University (CAU), Beijing, China   2017 – 2019
M.S. in Computer Science (EE)

Beijing University of Technology (BJUT), Beijing, China   2013 – 2017
B.S. in Computer Science (EE)

TEACHING ASSISTANT EXPERIENCE

Security Chips, TA   Sep 2022 – Dec 2022
Security Chips, TA   Sep 2021 – Dec 2021
Probability and Statistics, TA   Sep 2018 – Dec 2018

🎓 BACHELOR'S THESIS

Prototype Development of Core Modules in Trusted Software Base

- Design and implementation of memory allocation, coroutine scheduling, text data parsing, and non-blocking channel modules in trustworthy software base

🎓 MASTER'S THESIS

Research and Application of Multi-task Support Vector Machines

- Research and application of multi-task learning theory in support vector machines, including research on multi-task model design and fast solving algorithms

👥 EXPERIENCE

Beijing Hengai High-Tech Co., Ltd. Beijing, China   January 2017 – August 2017
Internship   Software Development Engineer

- Implement the front-end of a hotel booking system based on the AngularJS framework
- Implement a Windows program using the WPF framework in C# for linking the booking system with the Caller ID Box.
- Refactoring the interaction logic of an Android App
- Development of a ECG data collection Android App based on Bluetooth (BLE)

Beijing eCheers Technology Co., Ltd. Beijing, China   July 2016 - August 2016
Summer Intern   Assistant Development Engineer

- Customize Windows Azure Pack (WAP) project, develop cloud virtual machine usage display module based on Entity Framework in C#.
- Modify the theme of the Azure WAP sites based on Model-View-ViewModel (MVVM) framework in JavaScript.

👥 PROJECT EXPERIENCE

National University Student Innovation and Entrepreneurship Training Program *Completed*   2016
The 16th Xinghuo Fund of Beijing University of Technology *Completed*   2015

♡ Honors and Awards

Innovation in Technology Award, Beijing University of Technology (University Level)	December 2016
Bronze Medal, 2nd Dingxin Cup Student Innovation and Entrepreneurship Competition	November 2016
Third Prize, National College Student Information Security Competition	August 2016
Outstanding Learning Award, Beijing University of Technology (University Level)	December 2014

⚙ Skills

- Programming Languages: C/C++/C#/Java/JavaScript/Python/Rust/Matlab
- Hardware Description Languages (HDL): Verilog/Chisel
- Platforms: Windows, Linux, Android
- Databases: MySQL, SQLite, SQL Server
- Development: Linux Kernel, Android Applications, Web Development

ⓘ Miscellaneous

- Google Scholar: https://scholar.google.com/citations?user=zd0JSI8AAAAJ

REFERENCES

[1] B. Mei, S. Xia, W. Wang, and D. Lin, "Cabin: Confining untrusted programs within confidential vm," *The 2024 International Conference on Information and Communications Security*, 2024.

[2] W. Wang, L. Song, B. Mei, S. Liu, S. Zhao, S. Yan, X. Wang, D. Meng, and R. Hou, "The road to trust: Building enclaves within confidential vms," *arXiv preprint arXiv:2402.11438*, 2024.

[3] B. Mei, W. Wang, and D. Lin, "Svsm-kms: Safeguarding keys for cloud services with encrypted virtualization," *The 6th International Conference on Science of Cyber Security*, 2024.

[4] B. Mei and Y. Xu, "Safe sample screening for regularized multi-task learning," *Knowledge-Based Systems*, vol. 204, p. 106248, 2020.

[5] B. Mei and Y. Xu, "Multi-task ν-twin support vector machines," *Neural Computing and Applications*, vol. 32, no. 15, pp. 11329–11342, 2020.

[6] B. Mei and Y. Xu, "Multi-task least squares twin support vector machine for classification," *Neurocomputing*, vol. 338, pp. 26–33, 2019.