Ge Han

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EDUCATION

Shandong University   Jinan, China
Ph.D. Candidate in Computer Science and Technology, expected June, 2021   2017.09 ~ Present
School of Computer Science and Technology

University of Bristol   Bristol, UK
MSc in Advanced Computing – Internet Technologies with Security   2014.09 ~ 2016.02
School of Computer Science, Electrical and Electronic Engineering, and Engineering Mathematics

Loughborough University   Loughborough, UK
Visiting Student in Computer Science   2013.09 ~ 2014.06
School of Science

Shandong University   Weihai, China
B.S. in Electronic Information Science and Technology   2010.09 ~ 2014.06
School of Mechanical, Electrical and Information Engineering

EXPERIENCE

Beijing Zhuoshi Network Security Technology co. LTD   Jinan, China
An independent third-party organization focusing on information security services in the energy (power) industry.
Security Assessment Engineer   2016.02 ~ 2016.07
- In charge of information security inspection, rectification and reinforcement consultation, grade protection assessment, industrial safety risk assessment, etc. for power companies
- Participating in the development of national and energy and power industry information security standards and norms

PROJECTS

Network & Information Security Supervision System for Shandong Power Enterprises   Bristol, UK
Supervised by Anchun Jiao   2014.12 ~ 2015.09
- Participated in the design of Shandong Power Enterprise Network and Information Security Supervision System (preliminary draft)

Research on SIMD implementations of cryptographic algorithms   Bristol, UK
Supervised by Daniel Page   2014.12 ~ 2015.09
- Implemented block cipher (AES) in a bit-sliced manner
- Completed the writing of paper "Evaluation and Integration of Bit-Sliced Block Ciphers "

Sharp Tiger Zenigata LED chip application optimization project   Loughborough, UK
Supervised by Shuang-Hua Yang   2014.01 ~ 2014.06
- Deigned a LED control system based on PIC24F microprocessor
- Completed the writing of paper "LED lighting color control system design and implementation"

PUBLICATIONS

- (Under Review) **Ge Han**, Zheng Li, Yunqing Wei, Chengyu Hu, Shanqing Guo, Yang Zhang, Xin-Shun Xu, Peng Tang, " FuzzGAN: A Generation-Based Fuzzing Framework For Testing Deep Neural Networks,". ISSRE, 2019.
- (Accepted) Zheng Li, **Ge Han**, Shanqing Guo, "DeepKeyStego: Protecting Communication by Key-dependent Steganography with Deep Networks," in Proceedings of the 21st IEEE International Conference on High Performance Computing and Communications (HPCC 2019).
- Jia Chen, **Ge Han**, Shanqing Guo, Wenrui Diao, "FragDroid: Automated User Interface Interaction with Activity and Fragment Analysis in Android Applications," in Proceedings of the 2018 48th Annual IEEE/IFIP International Conference on Dependable Systems and Networks (DSN 2018), 398-409.

- (Graduation thesis) **Ge Han**, "Evaluation and Integration of Bit-Sliced Block Ciphers," University of Bristol, 2015.

- (Graduation thesis) **Ge Han**, "LED Lighting Colour Control System Design and Implementation," Loughborough University, 2014.

RESEARCH INTERESTS

- The evaluation of the security properties of machine learning systems.
- The application of machine learning in security related domains.

SKILLS

English: Fluent spoken English, excellent writing and reading skills
                 Certificates: CET-6, IELTS 6.5 (2014)
Professional skills: Basic programming with C and Python
                 Familiar with embedded programming, MATLAB, Web technology, cryptography and etc.

AWARDS

- Excellent student (twice)
- First-prize scholarship
- Second-prize scholarship
- Third-prize scholarship (twice)
- Second-prize at the provincial level in CUMCM, 2012 (as the captain)
- First-prize in cheering team competition, 2012 (as the captain)

REFEREES

Prof. Shanqing Guo
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Prof. Xin-Shun Xu
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