Dongyu **Meng**

PH.D. STUDENT · UC SANTA BARBARA

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Education

University of California, Santa Barbara	*Santa Barbara, USA*
PH.D. IN COMPUTER SCIENCE	*Sept. 2018 - Now*

- Advisor: Prof. Giovanni Vigna and Prof. Christopher Kruegel

ShanghaiTech University · **Chinese Academy of Science**	*Shanghai, China*
M.S. IN COMPUTER SCIENCE	*Sept. 2015 - June. 2018*

- Advisor: Prof. Hao Chen

Tsinghua University	*Beijing, China*
B.S. IN CONTROL SCIENCE AND ENGINEERING	*Sept. 2011 - July. 2015*

- Undergraduate Thesis Advisor: Prof. Jun Li

Professional Experience

SecLab, UC Santa Barbara	*Goleta, CA*
RESEARCH ASSISTANT	*Sept. 2018 - Now*

- Android application testing based on callback identification and dependency analysis
- Bug finding with machine learning models.

Keen Security Lab, Tencent	*Shanghai, China*
SECURITY RESEARCH INTERN	*Oct. 2017 - May. 2018*

- Adversarial examples against autonomous vehicles.
- Analysed security challenges of modern intelligent cars.

Information Security Lab, SIST, ShanghaiTech University	*Shanghai, China*
RESEARCH ASSISTANT	*Sept. 2015 - May. 2018*

- Principled fuzzing as an optimization problem.
- The security of machine learning (especially deep learning) systems.
- Browser privacy.
- Memory/concurrency bug elimination with Rust-like mechanism.
- Served as external reviewer for MoST(16), Wisec(16), CNS(16, 17), AsiaCCS(16, 17, 18), CCS(17, 18)

School of Information Science and Technology, ShanghaiTech University	*Shanghai, China*
TEACHING ASSISTANT	*Sept. 2015 - May. 2017*

- 2015 Fall - Undergraduate Data Structure(*Outstanding TA Award*)
- 2016 Summer - Rust Programming Language
- 2017 Spring - Operating System

Network Security Lab, RIIT, Tsinghua University	*Beijing, China*
UNDERGRADUATE RESEARCHER	*Feb. 2015 - June.2015*

- Surveyed Android obfuscation techniques. Conducted comprehensive evaluation on obfuscation tools.

zhihu.com	*Beijing, China*
DATA ANALYSIS INTERN	*June. 2014 - Sept. 2014*

- Built data analysis infrastructure and supported user behavior analysis.

SoniDigg Tech	*Beijing, China*
SOFTWARE ENGINEER INTERN	*Mar. 2013 - Aug. 2013*

- Built a radio station monitor system. Implemented automatic song recognition algorithm.
- Used these records as evidence to protect music copyright.

Publications

[1] Dongyu Meng and Hao Chen. "MagNet: a Two-Pronged Defense against Adversarial Examples". In: *ACM Conference on Computer and Communications Security (CCS)*. Dallas, TX, Oct. 30–Nov. 3, 2017.

[2] Yuanyi Wu, Dongyu Meng, and Hao Chen. "Evaluating Private Modes in Desktop and Mobile Browsers and Their Resistance to Fingerprinting". In: *IEEE Conference on Communications and Network Security (CNS)*. Las Vegas, NV, Oct. 9–11, 2017.

Skills

Programming	Python, C/C++, Rust, Haskell
Languages	Chinese, English
Tools	Tensorflow, Keras, LLVM