Kai Cao

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Education

2012–Present **MS in Computer Science, Supervisor: Dawu Gu**, *School of Electronic Information and Electrical Engineering, Shanghai Jiaotong University*, expected 2015.

2008–2012 **BA in Software Engineering**, *School of Computer Science and Technology, Soochow University*.

Internship

2014 **Alibaba**.

2011 **Zhongchuang Software Engineering**.

Community

GitHub **github.com/ck89119**.

Project Experience

2014 **Opcode Counting**, *Dalvik VM, Android*, Intern Project.
Implement counting function of opcode that called during an App runs. I design this whole function myself, including the position of counting field, the timing to count, interpret mode switching and so on.

2012–present **LoCCS Power Analysis Platform**, *JNA, Side Channel Attack(SCA)*, Research Project.
This platform is designed for covering all operations during an SCA. My job was designing UI of software in Java. Also, I was responsible for testing the JNA interface and integrating Java & C++ code. At the same time, I wrote a series of analysis modules of DES algorithm.

Awards

2012 **Second Grade Scholarship for Graduates of Shanghai Jiaotong University**.

2010 **Second Place in Programming Competition of Soochow University**.

2009 **Honor Reward of ACM/ICPC Asian Regional in Wuhan**.

2009 **First Grade Scholarship of Soochow University**.

2007 **Second Prize in National Olympiad in Informatics in Provinces**.

Skills

Languages **C/C++, Java, Python, C#, Pascal**.

OS **Windows, Linux, Mac**.

Other **Git, Vim, GDB, Shell**.