LÉO WEISSBART

PERSONAL INFORMATION

Born in France, 15 June 1994

email leo.weissbart@grenoble-inp.org

phone +33 (0)6 24 56 52 81

JOINT PH.D. POSITION BETWEEN TU DELFT AND RADBOUD UNIVERSITY IN THE AREA OF PHYSICAL ATTACKS AND MACHINE LEARNING

Research and development of novel machine learning-based techniques and countermeasures dedicated to side-channel and fault analysis.

WORK EXPERIENCE

Okayama University

Fev-Jul 2018 Research Student, Okayama University — Japan

Worked on the implementation of cryptographic attack on elliptic curves and their countermeasures. This study have been focused on order 8 element attack on Curve25519 and proved side channel attack through power consumption to be a thread to IoT devices. The implementation of the attack have been done with pattern recognition algorithm.

Chauvin Arnoux

Jan-Jul 2017 Industrial Project, Chauvin Arnoux — France

Designed and developed an embedded measuring system to detect insulation fault in electric network. Such device is destined to maintenance team in electricity companies to measure small current leaking over a massive current consumption.

HCMC University

Jun-Aug 2016 Summer Intern, HCMC University — Vietnam

Developed a software application on Matlab to compute brain waves information. At the end of the internship, the application was able to detect the blinking of the eyes.

EDUCATION AND DEGREES

Master's Degree in Engineering

2015-2018 Grenoble INP-Esisar, Valence — France

School: Advanced Systems and Networks Engineering School
Major: Embedded systems
Description: Engineering school training several technological fields for designing, implementing and integrating complex and embedded systems while respecting the constraints of integration, environment, cost and autonomy.

Classe Préparatoire

2012-2015 Lycée Albert Schweitzer, Mulhouse — France

School: Preparatory Classes for Engineering School
Description: Undergraduate courses to prepare nationwide competitive exams in science to enrollment at an engineering school in France.

Baccalauréat

2012 Science diploma Baccalauréat Major in Sciences with distinction

Description: French secondary school diploma, equivalent to A-Level.

COMPUTER SKILLS

Experienced java, C, python, Matlab, vhdl

Intermediate html5, css3, bottstrap, LaTeX, OpenOffice, Linux, git, Microsoft Windows

Advanced

Conception and design of integrated circuits
Embedded system security (Hardware and Software)

OTHER INFORMATION

Languages

English · Fluent written and spoken
German · Beginner
French · Mothertongue
Japanese · Beginner

Interests Music · Guitar · Basketball · Snowboard

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