SEBASTIEN DUC

DATE OF BIRTH: 15 February 1990
ADDRESS: 248 Walton Road, Woking, Surrey, GU21 5EQ, UK
PHONE: +44 7746 242105
EMAIL: sebastien.sduc@gmail.com
CITIZENSHIP: French, Swiss

WORK EXPERIENCE

JULY 2014 - NOW — Engineer at QUALCOMM (UK) LTD., Farnborough, UK
- Working in the Security (UK) team.
- Delivering two security applications and porting them on the newest Chipsets.
- Developing Trusted Applications for ARM TrustZone in C/C++ and the Android system / Linux kernel components communicating with those Applications.
- Collaborating with multiple teams working internationally on different components of the System on Chip.

MAR 2013 - SEPT 2013 — Intern at QUALCOMM INC., San Diego, CA, USA
- Worked in the Product Security Team.
- Performed Security risk assessments, secure design and code reviews of Qualcomm's products.
- Contacted the developer teams and requested multiple security fixes.
- Developed a Trusted Application for ARM TrustZone in C.

JULY 2012 - SEPT 2012 — Summer Intern at SAMSUNG ELECTRONICS, Suwon, South Korea
- Worked in the security team in the Visual display division (TVs).
- Developed APIs in C++ related to X.509 Certificates and OpenSSL.

JUNE 2010 - JULY 2012 — System Administrator at NOUVJUR Law Firm, Lausanne, Switzerland
Part time employee responsible of network and system administration. Installation and maintenance of the system.

EDUCATION

SEPT 2011 - OCT 2013 — Master of Science in COMMUNICATION SYSTEMS, **EPFL**
Major: Information Security
AVERAGE GRADE: 5.71/6.0 (GPA: 3.80)

SEPT 2008 - JULY 2011 — Bachelor of Science in COMMUNICATION SYSTEMS, **EPFL**
AVERAGE GRADE: 5.42/6.0 (GPA: 3.64) — second best results

ACADEMIC PROJECTS

MAR 2013 - SEPT 2013 — Master Thesis at Qualcomm Inc. — Securing Data at Rest
Security risk assessment of a Qualcomm solution to secure data at rest on its System on Chip.
Supervisors: Prof. Serge Vaudenay and Dr. Ning Shang

JAN 2012 - JULY 2012 — Short, Undeniable Signatures for Android 2.x
Android application as a proof of concept for a new cryptographic signature scheme.
Supervised by Dr. Ioana Boureanu

SEPT 2009 - JAN 2010 — Data Mining in Lausanne Data Collection Campaign
Machine learning on data collected on smartphones to predict user behavior.
Supervised by Prof. Rüdiger Urbanke, in collaboration with Nokia

LANGUAGES

ENGLISH: Fluent
FRENCH: Native Language
GERMAN: Intermediate

TECHNICAL SKILLS

Programming : C, C++, PYTHON, Java, Bash, SQL, ARM Assembly
Operating Systems: GNU/LINUX, Microsoft Windows, Android
General: TCP/IP networking, Cryptography, Software security, ARM architecture, JTAG debugging
Other: LaTeX, Git, SVN, Perforce, Vim

INTERESTS

Martial Arts (Judo), Travelling, music (guitar), dance, surf