

YOUSSEF EL HOUSNI

(+33)662968238 \diamond youssef.housni21@gmail.com

1 Rue de l'aigle, 92250 La Garenne-colombes, France

yelhousni.github.io

EDUCATION

PhD at Ecole Polytechnique, Paris Cryptography (Computer science and mathematics) Team GRACE supervisors: François Morain and Aurore Guillevic	November 2019 - Present
MEng at ENSEIRB-MATMECA, Bordeaux Electronics and electrical engineering. majors: Image and signal processing	2016
BEng at ENSEIRB-MATMECA, Bordeaux Engineering sciences.	2014

WORK EXPERIENCE

ConsenSys, Paris <i>Applied Researcher</i> · Working on gnark and gnark-crypto (Go)	December 2020 - present
EY Blockchain, Paris <i>Cryptography Engineer</i> · Worked on Baseline and Nightfall (Rust, C++)	August 2018 - November 2020
Secure-IC, Rennes <i>Software Engineer</i> · Video steganography (up to UHD@60fps 10-bit) on embedded devices (Hisilicon Hi2798CV200 set-top box). · Mathematical modeling of a hardware TRNG (True Random Number Generator) PUF (Physically Unclonable Function). · Countermeasures against side-channel and fault injection attacks for public-key cryptography.	October 2016 - August 2018

TECHNICAL AND SOFT SKILLS

Software	Go, C/C++, Python, Rust, SageMath, Bash, Latex
Languages	English (fluent), French (bilingual), Arabic (bilingual)

EXTRA-CIRRICULAR

Co-Organizer of “ZK-PAR” - A technical meetup held in Paris focussing on privacy-preserving technology in blockchains.

Played in the moroccan regional championship with Tetouan football team from 2000 to 2011.