LinkedIn profile

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French and Mauritian
Single
Born 12 March 1995
29 January 2017

Contact vCard

EDUCATION

Master of Science at New York University
Graduating in May 2018 (courses & grades)
2016-2018   Computer Science Postgraduate Master's degree

Master of Engineering at Imperial College London (master II in 4 years)
Graduated in August 2016, with Second class honours, upper division (courses & grades)
2012-2016   Electrical and Electronic Engineering with Management

Scientific French Baccalaureate (specialized in Mathematics and arithmetic)
Obtained in June 2012, with 88% overall, 95% in mathematics and physics (courses & grades)
2007-2012   Lycée Privé Michelet – Nice, France.
2006-2007   Collège Alpin International Beau Soleil (boarding school) – Villars-sur-Ollons, Switzerland.
1997-2006   EMPF and Lycée Vauban – Luxembourg City, Luxembourg.

PROFESSIONAL EXPERIENCE

Internship at COINPLUS S.A., April 2015 to September 2015, in Luxembourg (*details*)
Topics: Bitcoin protocol, cryptography and security, Python programming.
Internship at STMicroelectronics, July 2014 to September 2014, at Sophia Antipolis, France (*details*)
Topics: Android OS (C, C++, Java), Mobile app development, NFC technology.

COMPETENCIES AND SKILLS

Software
High Level languages	Python 2.7 & 3.4, C++ (and TBB, OpenCL), Java, Android, Matlab
Devops	Github, Travis CI, Zenhub, Docker, Vagrant, Jenkins, IBM Bluemix, AWS
Web development	Javascript (and Typescript), HTML, CSS, PHP, MySQL, Redis, Flask, Django, PhoneGap
Low Level languages	C, ARM7 assembly language, MPLabs assembler
Hardware Description	Altera Quartus 12, Verilog for FPGAs, Cadsoft EAGLE, PSPice
Others	Bitcoin protocol, Windows/Ubuntu/Raspbian/Debian, Microsoft Office, Unreal Engine 4, HElib, Makefile

Engineering & computer knowledge
Computer security	Network & web security course, Coding theory course, Bitcoin, self-taught cryptography & tools, Homomorphic encryption (*open source project*)
Computer performance	High performance computing course (TBB, OpenCL, GPUs), Algorithms, data structures and complexity courses (Imperial), Fundamental algorithms (NYU) course
Data analysis	Mobile healthcare and machine learning (*open source project*), Digital signal processing course, Advanced signal processing course, Artificial Intelligence
Computer architecture	Operating systems course, Computer architecture course, Database systems course
Communication	Communication networks course, Real-time digital signal processing course, Signals and linear systems
Electronics	Digital electronics courses, Semiconductor devices courses, Analogue devices courses
Electrical systems	Power engineering, Control engineering, Mathematics

Management knowledge and other
2015-2016	Corporate finance, Managerial economics, Managing innovation (see here for projects and reports)
2014-2015	Project Management, Entrepreneurship (business plan on SportsConnect), Accounting
2007-2012	Mathematics, Physics, Chemistry, Biology, Geology, Latin, Philosophy, History/Geography, French, English, Spanish, Sports

PROJECTS AND EXPERIENCE

2016-2017	DevOps Portfolio project – team of 4 students with 2 students being swapped during the project
	Online mobile *Chess game* – team of 3 students / Typescript, CSS, HTML, PhoneGap, Grunt, Jenkins
	Portfolio Management personal project – Python based code to keep excel files updated with online feeds
	My computing course – Markdown based course I have created for novice users to get into programming (Python)
2015-2016	Homomorphic Binary circuits *hbc* – Master's thesis / C++ (see here)
	Stamina, a mobile coffee drinking monitoring system – Team of 3 students / Android, Web, machine learning
	Group projects in Corporate finance, Managerial economics and Managing innovation courses
2014	Group projects in Entrepreneurship and Project management
2013-2014	*Wasteless*, a food monitoring and sharing – Team of 7 students / C++, Android, NFC/RFID, Web
2012-2013	*EEBug*, a line-following robot for GBP 5.00 – Team of 6 students / PSPice, OpAmps, basic electronics
2007-2010	Summer job in a hotel in Scotland, climbing of the Kilimanjaro at 12

Fluent in English, French, and speaks Spanish a bit.
Hobbies   Quora, trading, Raspberry Pi, building desktops, gym, skiing, cycling, ebay, online gaming, reddit, 9gag.