Quentin Dufour

Ph.D student in the WIDE team
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Publications

Dec. 2020	**High-throughput real-time onion networks to protect everyone's privacy**, Ph.D thesis. Currently under review by Ian Goldberg and Rüdiger Kapitza.
Apr. 2019	**Multisource Rumor Spreading with Network Coding**, *Infocom 2019*, Conference, France. Authors: Yérom-David Bromberg, Quentin Dufour, Davide Frey. Acceptance rate: 19.7%

Teaching

Jun. 2020 Sep. 2019	**DHTAG Project**, *ISTIC Univ Rennes*, Master 1, France. Goal: Advise students on a research project during one semester. > 15h of teaching.
Jun. 2020 Sep. 2019	**Cloud**, *ESIR Engineering School*, Master 2, France. Goal: Understand cloud infrastructures. 28h of teaching including 14h of lectures.
Jun. 2020 Sep. 2018	**Software Technology for the Cloud**, *ISTIC Univ Rennes*, Master 2, France. Goal: Understand cloud software. 50h of teaching including 18h of lectures.

Education and diploma

Now Jan. 2018	**Ph.D Student**, *Univ Rennes, Inria, CNRS, IRISA*, Rennes, France. Advised by Davide Frey and Yérom-David Bromberg in the WIDE team.
Sep. 2017 Sep. 2012	**Engineer Student**, *Institut National des Sciences Appliquées (INSA)*, Rennes, France. Computer Science department.
May. 2016 Jan 2016	**Engineer Student**, *Polytechnique Montreal*, Montreal, Canada. Full time winter semester in Computer Science department.
June 2012	**High School Diploma**, *Lycée René Descartes*, Cournon d'Auvergne, France. Scientific High School Diploma with distinction.

Professional and associative experience

Now Jan. 2020	**Deuxfleurs**, *Association*, Rennes, France. Build sovereign cloud infrastructures at home (hosting and software development).
Aug. 2017 Feb. 2017	**French National Cybersecurity Agency (ANSSI)**, *Internship*, Paris, France. Migration and improvement of hardened Linux containers (LXC).
Aug. 2016 May 2016	**Orckestra**, *Internship*, Montreal, Canada. Improvement of Orckestra's CI / CD pipeline (Jenkins 2 and VSTS).
Aug. 2015 Jun. 2015	**Groupe GTI**, *Internship*, Paris, France. Development of a financial analysis platform (node.js, MongoDB, Angular).
2017 2015	**Freelance**, *SIREN: 807 855 572*, Clermont-Ferrand, France. Working mainly on website and emailing issues.
Dec. 2015 Sep. 2012	**InsaLan**, *Association*, Rennes, France. InsaLan 10 event organization (2015): Event's president. Managing a staff of 90 people. InsaLan 9 event organization (2014): Network staff manager. Staff training and management. InsaLan 8 event organization (2013): Network staff member. Network design (routing, firewall, VPN...).
Dec. 2015 Sep. 2013	**Ouest INSA**, *Junior Enterprise*, Rennes, France. 2015: IT manager. Management of a development infrastructure (LXC, Ansible). Training of students. 2014: IT staff member. Design of an intranet (PHP, Silex).
Aug. 2014 Jun. 2014	**Digitevent**, *Internship*, Paris, France. Contribution to the development of the SaaS Digitevent platform (node.js, MongoDB, Angular, Websocket).
Aug. 2013 Jun. 2013	**Open Studio**, *Internship*, Clermont-Ferrand, France. Web service development with Symfony 2 for the Copark application.

Skills

Computer Engineering

System	Linux (Debian, Fedora)	Paradigms	Imperative, Object, Functionnal
Network	Linux IP Stack, standard protocols	Languages	Rust, Scheme, Javascript, Python...

Languages

English	+++	*(TOEIC: 985/990)*
German	+	

Interests

Leisure	Euphonium (during 9 years). Reading (fantasy and science-fiction)
Sport	Snowboard, Running and Kayak.
Algo.	INSA Rennes Cod'INSA Finalist in 2014 and 2015.
	Participated to Google Hash Code Qualifications and Battle Dev (march 2015 and october 2015)