

Corentin Ferry

Curriculum Vitae

Education

- 2016-ongoing **Master in Computer Science**, *Université de Rennes 1*, Rennes, France.
- 2015-ongoing **ENS Rennes Magisterium**, *École normale supérieure de Rennes*, Rennes, France.
Civil servant (“Fonctionnaire stagiaire”) at ENS Rennes.
- 2016-2017 **Erasmus exchange**, *École polytechnique fédérale de Lausanne (EPFL)*, Lausanne, Switzerland.
- 2015-2016 **Bachelor in Computer Science**, *Université de Rennes 1*, Rennes, France.
“Good” mention (15.868/20)
- 2012-2015 **Preparatory classes “MPSI/MP*”**, *Lycée Thiers*, Marseille, France.

Professional experience

- 2017-2018 **Research internship**, *Colorado State University*, Fort Collins, CO, USA.
Research internship on optimization of stencils on Field-Programmable Gate Arrays, under the supervision of Prof. Sanjay Rajopadhye.
- May - July 2016 **Research internship**, *IRISA (Institut de Recherche en Informatique et en Systèmes Aléatoires)*, Rennes, France.
Creation of a Coarse-Grained Reconfigurable Architecture on an FPGA using High-Level Synthesis tools, and creation of the associated compiler suite.

Publications

- 2018 **Workshop**.
Robin Scheibler, Juan Azcarreta, René Beuchat and Corentin Ferry. *Pyramic: full stack open microphone array architecture and dataset*. Presented at *16th International Workshop on Acoustic Signal Enhancement (IWAENC)*.
- 2017 **Demonstration**.
Eric Bezzam, Robin Scheibler, Juan Azcarreta, Hanjie Pan, Matthieu Simeoni, René Beuchat, Paul Hurley, Basile Bruneau, Corentin Ferry, and Sepand Kashani. *Hardware and Software for Reproducible Research in Audio Array Signal Processing*. Presented at *IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP) 2017*.

Teaching

- Spring 2016 **Teaching assistant**, *Lycée Anita Conti*, Bruz, France.
Helping high school students carry out a programming project. Teaching experience part of the PEDAGO course of ENS Rennes.
- December 2016 **Teaching assistant**, *EPFL*, Lausanne, Switzerland.
Teaching assistant with René Beuchat, giving a hands-on tutorial on FPGAs to high school students. Given at “Journée des gymnasiens 2016”.
- December 2017 **Tutorial**, *Colorado State University*, Fort Collins, CO, USA.
Topic: Creating a hardware accelerator through schematics with Xilinx ISE.
- Spring & Summer 2018 **REU Mentor**, *Colorado State University*, Fort Collins, CO, USA.
Mentoring sophomore and junior students in the *Research Experience for Undergraduates* program. Assisted Prof. Sanjay Rajopadhye.

Responsibilities - Involvement

- Nov. 2015 - April 2016 **Campagne Bureau des Élèves, ENS Rennes.**
Involvement in the students' association election as an active member of a candidate list.
- Oct. 2015 - June 2016 **Commission de la Vie Étudiante, ENS Rennes.**
Representative of the Computer Science Department of ENS Rennes at the Commission de la Vie Etudiante (Students' School life Commission).

Languages

- French Native
English Professional competence
Spanish Basic skills

Interests

- Sports I like practicing full nature sports like rock climbing, skiing or road biking.

Miscellaneous

- Driver's license Holder of a "B" French driver's license.