

Thibaut Marty

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🌐 <https://thibautmarty.fr> • 25 years old • French citizenship

Education

Université de Rennes I & IRISA - Cairn team <i>PhD candidate</i>	France 2017 – present
École Normale Supérieure de Rennes & Université de Rennes I <i>MSc in Computer Science with high honors</i>	France 2015 – 2017
École Normale Supérieure de Rennes & Université de Rennes I <i>Magistère in Computer Science</i> Highly selective training	France 2015 – 2017
Université de Rennes I <i>BSc in Computer Science with highest honors</i> Ranked: 1 st / 80	France 2014 – 2015
Supélec <i>Engineering school</i> Highly selective training	France 2013 – 2014
Université d'Angers <i>Two-year university degree in Computer Science and Electronics with highest honors</i> (Major: computer science) Ranked: 2 nd , 1 st / ~80	France 2011 – 2013

Experiences

Université de Rennes I & ENS Rennes <i>Teaching</i> Computer architecture & compilation lab - L3/M1 level	Rennes, France 2017 – 2019
Inria & IRISA - Cairn team <i>Research internship</i> Algorithmic level timing speculation for convolutional neural networks	Rennes, France February – July 2017
IMEC <i>Research internship</i> Linking architecture and application level in neuromorphic computing	Leuven, Belgium May – August 2016
Inria & IRISA - DiverSE team <i>Research project</i> Work on automating the task of inferring metamodels with machine learning techniques	Rennes, France 2015 – 2016
Inria & IRISA - Cairn team <i>Research internship</i> Modify a dynamic run-time controller for mixed-critical systems running on a multi-core COTS	Rennes, France May – July 2015

Publications

Thibaut Marty, Tomofumi Yuki, and Derrien Steven. Enabling Overclocking with HLS Tools through Algorithm-Level Error Detection. In International Conference on Field-Programmable Technology (FPT'18), Naha, Japan, 2018

Angeliki Kritikakou, Thibaut Marty, and Matthieu Roy. DYNASCORE: DYNAmic Software CONTroller to increase REsource utilization in mixed-critical systems. In ACM Transactions on Design Automation of Electronic Systems (TODAES), 2017

Skills

Good level: C, C++, Vivado HLS, Unix shells, OCaml, GNU/Linux (skilled), Git, Javascript, HTML, ...

Intermediate: Java, Ruby, Python, SQL, MATLAB & Octave, LaTeX, Docker, NixOS, Inkscape, Gimp, TikZ, ...

Basic level: Coq, Scala, VHDL, R, ...

Languages

French: Native

English: Good speaking and writing skills

Spanish: Notions

Russian: Notions

References

Steven Derrien: Professor at ISTIC, Université Rennes I, Rennes, France

Personnal interests

Science: Computer science and electronics enthusiast

Arts: Piano player since 6 years old

Sports: Sailing

Travelling: Japan, Poland, Belgium, Ireland, Brazil, England, Spain, Morocco, Scotland, Sweden, Italy