

# Thibaut Marty

10, le Haut Chemin – 35 410 Nouvoitou FRANCE

☎ 06 99 73 28 34 • ✉ thibaut.marty@irisa.fr  
🌐 <https://thibautmarty.fr> • 24 years old • French citizenship

## Education

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

## Experiences

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<b>Inria &amp; IRISA - Cairn team</b> <i>Research internship</i> Algorithmic level timing speculation for convolutional neural networks	<b>Rennes, France</b> February – July 2017
<b>IMEC</b> <i>Research internship</i> Linking architecture and application level in neuromorphic computing	<b>Leuven, Belgium</b> May – August 2016
<b>Inria &amp; IRISA - DiverSE team</b> <i>Research project</i> Work on automating the task of inferring metamodels with machine learning techniques	<b>Rennes, France</b> 2015 – 2016
<b>Inria &amp; IRISA - Cairn team</b> <i>Research internship</i> Modify a dynamic run-time controller for mixed-critical systems running on a multi-core COTS	<b>Rennes, France</b> May – July 2015
<b>Ines RD</b> <i>Internship</i> Create an embedded software for decoding serial buses based upon an open-source oscilloscope	<b>Beaucouzé, France</b> May – June 2013

## Publications

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Kritikakou, A., Marty, T., & Roy, M. (2017). DYNASCORE: DYNAmic Software COntroller to increase REsource utilization in mixed-critical systems. ACM Transactions on Design Automation of Electronic Systems (TODAES)

## Skills

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

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

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

## Languages

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**French:** Native

**English:** Good speaking and writing skills

**Spanish:** Notions

**Russian:** Notions

## References

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

## Personnal interests

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**Science:** Computer science and electronics enthusiast

**Arts:** Piano player since 6 years old

**Sports:** Sailing

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