

# Dammaretz Theo

Full Stack Developer



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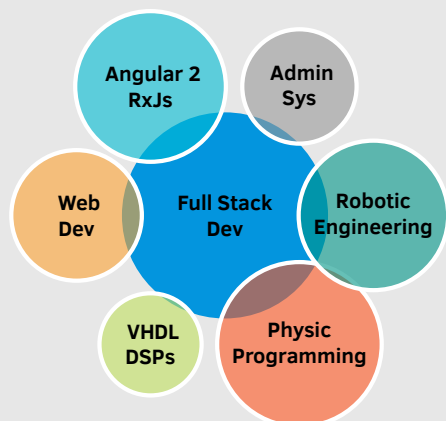


<http://www.dammaretz.fr>



theo@dammaretz.fr

## Skills

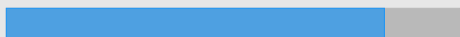


## Interests

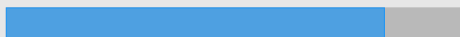
Software Engineering



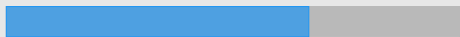
Web Developer



Embedded Systems



Security Analysis

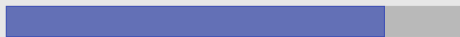


## Languages

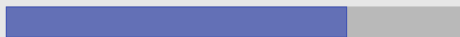
JS, TypeScript, RxJs, Angular2



C



PHP, HTML5, CSS3



C++, Java



VHDL, Verilog



## Education

June 2016 **MSc., Embedded Systems Engineering**  
Valence, France

Grenoble INP - ESISAR

June 2014 **BEng., Embedded Systems Engineering**  
Valence, France

Grenoble INP - ESISAR

### Languages

- French: Mother tongue
- English: Fluent
- Japanese: Notions

## Research

2015 - 2016 **Graduate Researcher**  
Sendai, Tohoku, Japan

Tohoku University

- Developed a versatile simulation model to analyze interactions between DNA monomer.
- Proposed a new way to quickly develop simulated test for DNA researchers
- Member of the winning international contest, BIOMOD, team 2015.

## Experience

Oct 2016 -  
Present

### Web Developer

Le Courier de Russie

- In charge of the Development and maintenance of the journal website and web resources,
- Optimized websites for compliance with ARIA standard, SOE optimization and perceived performance by the user. In one year, the journal's website increase it's search engine placement, got ARIA compliant. The website loading got 300% faster while getting more functionality. This was achieved through multiple asynchronous loading, scripts optimizing and "Over the fold" priority.
- Developed an Angular 2 application for Internal Purposes. Support Firebase real time database through RxJs integration.

Jan 2015 -  
June 2015

### Full Stack Developer

Synergetik

- Designed and developed a complete stack of monitoring solution for solar panel installations.
- Implemented the final solution covering all possible chain aspects: Starting with embedded solution programmed in C for serial readings to NoSQL databases and a website built with Symfony 2 & Bootstrap enabling the owner to manage and optimize the solar farm.

Jul 2013 -  
Aug 2013

### Embedded Systems Developer

Full Electronic System

- Modified a product of the company to include Plug & Play compatibility. The final product include multiple method to be accessible remotely without any configuration required from the user. *UDP Hole punching*, *UPNP port managing* or *Rendez-vous servers* were explored and tested.