

PROFESSIONAL EXPERIENCES

- Full Stack Developer [Tykal.fr]** **2017**
Co-founder, I work on the booking platform (front-end, back-end) and take part on the strategic discussions.
- Research and Development Engineer at Dassault Systèmes [3DVIA]** **2012 - 2016**
In charge of the pricing module, I realized the functional and technical analysis, the conception and the implementation of complex pricing algorithms in C++ as well as the optimization of the pricing data model.
Led the interconnection with a cloud based CRM, managed and monitored the realization of the project with an external team and worked on the serialization of the data.
In charge of the Closet Door 3D conception module, I worked on the functional and technical analysis, the conception and the development of the dynamic 3D modelling using the 3DVIA Home framework. I also trained and supervised an outsourced development team based in India to take over the project.
- Junior Software Engineer at EI-Technologies [Practice LABs]** **2011 - 2012**
Complete restructuring of the tax management application of the French Nuclear Security Agency (ASN) from conception and development to the operational acceptance testing and the customer support.
Development of various prototypes of web, mobile and cloud based applications.
- Research internship at IRISA / INRIA [D.R.E.A.M team]** **2011**
Analysis, conception and development of an agricultural landscape simulator using data and graph mining, unsupervised learning, multi-agent systems and local search algorithms.
- Software Development Internship at CAPGEMINI Rennes [CAIRN team]** **2010**
Development of an application for the analysis of telecommunication equipment quality for France Télécom - Orange.
- Freelance [student job]** **2009**
Management and improvement of an e-commerce website.

SKILLS

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| ▪ C++ | ▪ HTML 5 / CSS 3 | ▪ Real Time 3D Rendering | ▪ Machine Learning |
| ▪ Java | ▪ PHP 5 / MySQL | ▪ WebGL | ▪ Data Mining |
| ▪ C# | ▪ Bootstrap 4 | ▪ Three.js | ▪ Neuronal Networks |
| ▪ Design Patterns | ▪ Node.js | ▪ SCRUM methodology | ▪ Project Management |
| ▪ JavaScript / JQuery | ▪ React | | |

EDUCATION

- Software Engineering Master's degree at INSA de Rennes, France** **2008 - 2011**
Data Processing and Mathematical Modelling speciality
- Exchange semester at Technische Universität Wien, Austria** **2011**
Specialization in Artificial Intelligence
- Rennes 1 University, France** **2006 - 2008**
Mathematics and Software (Major), Physics and Electronic (Minor)

PERSONAL PROJECTS

- Solo travel from Canada to Argentina** 18 countries visited over 13 months **2016 - 2017**
- www.petit-gite-langon.fr** online communication and booking of the family cottage **2015 - Present**
- Treasurer of an NGO** working on the creation of a public games library **2003 - 2010**