Benjamin Sientzoff

Freelance developper

blasterbug.github.io

benjamin.sientzoff@yahoo.fr

07 04 88 59 32

Education

2015 - 2016 Master's Programme
Umeå University, Umeå, Erasmus programm. First year : Distributed Systems,
Artificial Intelligence, Database : Management and Administration

2013 - 2015 Bachelor
Nantes University, Nantes, France, Computer Science.

2010 - 2013 DUT (2 years diploma)
Institute of Technology of Nantes, Nantes, France, Computer Science.

Work Experience

2016 - 2017 Freelance, 5 months, Thingmap, Umeå, Sweden.
Full stack developer. Extended the REST API of the back-end, bug fix
and improvement of the current front-end applications (Web and mobile).
I deal with Node.js, REACT, Angular.js and MongoDB.

2015 Internship, 4 months, IRCCyN, Nantes, France.
3rd internship within the Real Time Systems team of the IRCCyN
(a French research Unit, part of the CNRS) leaded by Richard Urunuela.
My task was to build a new robot with a Arduino Board for the ANR ImpRo Demonstrator.

2014 Volunteer Internship, 12 weeks, IRCCyN, Nantes, France.
2nd internship at IRCCyN with the Real Time System team, leaded by Richard Urunuela.
The purpose was to add a camera to the robots of the ANR ImpRo demonstrator.
The camera is an Arduino Uno board connected to a CMUcam4 and five sensors.

2013 Internship, 10 weeks, IRCCyN, Nantes, France.
1st internship at IRCCyN, within the Real Time Systems team, leaded by Jean-Luc
Béchennec, Sébastien Faucou and Richard Urunuela.
I designed a prototype for the demonstrator of the ANR ImpRo project : it consists on a
table where two robots hit back and forth a ball. The operating system developed by the
team, Trampoline RTOS, allows the robot to be autonomous with Real Time features. It
runs on the NXT.

Skills

Designing	UML, Merise, Petri nets, Design Patterns
Programming	Python, C, C++, Java, Bash, Assembly language (MIPS and x86), OCaml, ADA95, Arduino, Processing
Tool	git, npm, Doxygen, JUnit, Maven, Travis CI
Web	(X)HTML, CSS/SASS, JavaScript, Node.js, React, AngularJS, PHP, Jekyll, Django
Database	SQL, PL/SQL, PostgreSQL, MongoDB
Writing	LaTeX, Markdown
Specific	Fully efficient with UNIX/Linux systems Real Time Systems (programming with Trampoline RTOS) Distributed Systems development (RESTful and SOAP applications) Artificial Intelligence (basic knowledge)
Languages	French: Mother tongue English: Fluent Swedish: Beginner (learning)

Interests

Specific	Real Time Systems Embedded systems Open-source development Back-end Front-end
Other	Vegetarian and vegan dishes Nine Inch Nails, Baroness, Massive Attack