

Alexandre Balon-Perin

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OBJECTIVE	A position in the field of software engineering with special interests in Machine Learning in a company that promotes innovation and employee's development.	
COMPUTER SKILLS	<ul style="list-style-type: none">• <i>Main Languages & Software:</i> Ruby, Scala, SQL, Ruby on Rails, Play, Java, Javascript, AJAX, jQuery, Coffeescript, HTML/CSS/HAML, Meteor, Matlab, R, Python, PostgreSQL• <i>Operating Systems & Tools:</i> MacOS, Unix, Ubuntu, Vim, IntelliJ, JIRA, Jenkins, Git, Github• <i>Concepts:</i> Multi-agent systems, Machine learning, Data mining, Swarm intelligence, Computer security (OWASP)	
EXPERIENCE	<i>Software Engineer</i> — Gilt Groupe Japan	Jan 2014 - Present
	<ul style="list-style-type: none">• Maintain, evolve and clean up the main legacy Admin application using Ruby on Rails as well as the main PostgreSQL database.• Maintain and improve our sale creation tool using Meteor and MongoDB.• Develop new applications, tools and services using the following technologies: Ruby on Rails, Scala, Play Framework, MyBatis, SQL, ElasticSearch, Meteor, MongoDB, PL/pgSQL.	
	<i>Software Engineer Freelance</i> — LH Interactive SARL	Apr 2013 - Oct 2013
	<ul style="list-style-type: none">• Implemented CRUD functions for entities such as shops and malls as well as moderation tools for the admin portal FIRE in PHP, Javascript and AJAX.	
	<i>Researcher</i> — ICT4Rehab project (ULB)	Nov 2012 - Feb 2013
	<ul style="list-style-type: none">• Designed and implemented in Java a parser for C3D files including sanity check, data normalization, etc.• Built an importer for large sets of C3D files.	
EDUCATION	<i>MSc Computer Engineering</i> Norwegian University of Science and Technology - Faculty of information technology, mathematics and electronics Concentration: Computational Intelligence	Sept 2010 - Sept 2012
	<i>BSc Engineering</i> Universite Libre de Bruxelles - Faculty of Applied Sciences	Sept 2007 - June 2010
PERSONAL PROJECTS	<i>Goodmoove</i> , Co-Founder	Jan 2012 - Jan 2014
	<ul style="list-style-type: none">• Involved in every aspects of the project management, including defining the business strategy, pitching the project to investors and managing customer support.• Developed the front-end and back-end of the web application in Ruby on Rails and deployed to Heroku.	

PUBLICATIONS

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| 2013 | Alexandre Balon-Perin and B. Gamback. Intrusion detection using ensembles. <i>International Journal On Advances in Security</i> , 6(1&2), 2013 |
| 2012 | B. Gamback Balon-Perin, Alexandre and L. Rstad. Ensembles of decision trees for network intrusion detection systems. In <i>7th International Conference on Software Engineering Advances</i> , page 656 663, 11 2012 |