

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 growth.
- SKILLS**
- *Languages & Software:* Ruby, Scala, SQL, Ruby on Rails, Play, Java, Javascript, AJAX, jQuery, Coffeescript, Meteor, Matlab, R, Python, PostgreSQL.
 - *Operating Systems & Tools:* MacOS, Unix, Ubuntu, Vim, IntelliJ, JIRA, Jenkins, Git, Github, NewRelic, Capistrano, Graylog, PgBadger.
 - *Concepts:* Multi-agent systems, Machine learning, Data mining, Swarm intelligence, Computer security (OWASP).
 - *Languages:* French (Native), English (Fluent - CAE), Spanish (Conversational), Japanese (Conversational - JLPT N4).
- EXPERIENCE**
- Software Engineer — Gilt Groupe Japan* Jan 2014 - Present
- Maintain, evolve and clean up the main legacy Admin application using Ruby on Rails as well as the main PostgreSQL database.
 - Maintain and improve the 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.
- Software Engineer Freelance — LH Interactive SARL* Apr 2013 - Oct 2013
- 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.
- Researcher — ICT4Rehab project (ULB)* Nov 2012 - Feb 2013
- Designed and implemented a parser in Java for C3D files including sanity check and data normalization.
 - Built an importer for large sets of C3D files.
- EDUCATION**
- MSc Computer Engineering* Sept 2010 - Sept 2012
Norwegian University of Science and Technology - Faculty of Information Technology, Mathematics and Electronics
Concentration: Computational Intelligence
- BSc Engineering* Sept 2007 - June 2010
Universite Libre de Bruxelles (ULB) - Faculty of Applied Sciences
- PERSONAL PROJECTS**
- Co-Founder, Goodmoove* Jan 2012 - Jan 2014
- Involved in every aspects of the project management, including defining the business strategy, pitching to investors and managing customer support.
 - Developed the front-end and back-end of the web application in Ruby on Rails using PostgreSQL and deployed to Heroku.
- PUBLICATIONS**
- Alexandre Balon-Perin and B. Gamback. Intrusion detection using ensembles. *International Journal On Advances in Security*, 6(1&2), 2013
- B. Gamback Balon-Perin, Alexandre and L. Rstad. Ensembles of decision trees for network intrusion detection systems. In *7th International Conference on Software Engineering Advances*, page 656 663, 11 2012