Roman Prokofyev

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I love hacking on ideas and bringing them to fully working prototypes.

Technical Skills

Programming Languages *Python, Java*

Technologies *scikit-learn, nltk, hadoop, django, jquery, postgres, nginx, jenkins, scss, html5*

Education

Nov. 2011 – Present **PhD Student**, University of Fribourg.
Keywords: *knowledge extraction, word sense disambiguation, text classification, semantic web, ontology construction*

I'm a PhD student at the eXascale Infolab under the supervision of Professor Philippe Cudré-Mauroux. My research is focused on developing new methods that foster knowledge extraction from unstructured data as well as knowledge processing and discovery.

2007–2009 **M.Sc. Applied Mathematics and Physics**, *Moscow Institute of Physics and Technology*, Moscow, Russia.
MSc Thesis: creating enterprise network monitoring and management system based on open source software (OpenNMS).

GPA: 5/5.

2003–2007 **B.Sc. Applied Mathematics and Physics**, *Moscow Institute of Physics and Technology*, Moscow, Russia.
BSc project: Billiards simulator in 3D. The capture of the gameplay is available on youtube: http://www.youtube.com/watch?v=8Lzr0kWM440

My GPA was 4.7/5.

Experience

Feb. 2010 – Mar. 2011 **Python Developer**, École Polytechnique Fédérale de Lausanne (EPFL).
Technologies: *python, django, celery, selenium, jenkins, jquery, git, memcached*

Maintain and develop new features for a web application running on Django/Python (ScienceWISE.info). I started as an intern and continued as a developer and lead project developer afterwards.
○ Developed web crawler and HTML parser for ontology extraction from online information sources
○ Developing rich user interfaces using *JavaScript* and *jQuery*
The paper describing the project received best demo paper award at ISWC 2011.

Dec. 2007 – Jan. 2010	**Configuration Manager**, COS&HT. **Technologies:** *solaris, linux, confluence, jira, svn, opennms, python* Maintain internal servers and network, implement new services. ○ Implemented and maintained collaboration product infrastructure with single sign-on (project tracking system, enterprise wiki) based on Atlassian products ○ Implemented and maintained enterprise content management solution with Alfresco ECM including LDAP/AD integration.
Jun. 2006 – Nov. 2007	**Software Engineer**, NetCracker, System Performance dept. **Technologies:** *java, weblogic, jython* Troubleshooting and optimizing java applications performance. Our department was dedicated to investigating and solving complex issues with slow performance and memory leaks in J2EE applications. This work required performing lots of complex debugging and Java heapdump analysis.

Additional Projects

May 2012 – Present	**FarPlano**. **Technologies:** *heroku, php, java, android* Mobile app for public transportation in Switzerland. play.google.com/store/apps/details?id=com.schedulr
Sep. 2011 – Present	**django-selenium**, *pypi.python.org/pypi/django-selenium*. **Technologies:** *python, django, selenium, tox, travis-ci* Selenium testing library integration for Django Framework.

Languages

Russian	**Native**
English	**Fluent**
French	**Basic**

Publications

[1] **Roman Prokofyev**, Gianluca Demartini, and Philippe Cudré-Mauroux. Effective named entity recognition for idiosyncratic web collections. In *Proceedings of the 23rd **International Conference on World Wide Web***, WWW '14, pages 397–408, New York, NY, USA, 2014. ACM.

[2] **Roman Prokofyev**, Ruslan Mavlyutov, Martin Grund, Gianluca Demartini, and Philippe Cudré-Mauroux. Correct me if i'm wrong: Fixing grammatical errors by preposition ranking. In *Proceedings of the 23rd ACM **International Conference on Conference on Information and Knowledge Management***, CIKM '14, pages 331–340, New York, NY, USA, 2014. ACM.

[3] **Roman Prokofyev**, Alexey Boyarsky, Oleg Ruchayskiy, Karl Aberer, Gianluca Demartini, and Philippe Cudré-Mauroux. Tag recommendation for large-scale ontology-based information systems. In *International Semantic Web Conference*, ISWC '12, pages 325–336, Boston, 2012. Springer, Springer.

[4] **Roman Prokofyev**, Gianluca Demartini, Alexey Boyarsky, Oleg Ruchayskiy, and Philippe Cudré-Mauroux. Ontology-based word sense disambiguation for scientific literature. In *European Conference on Information Retrieval*, ECIR '13, pages 594–605, Moscow, 2013. Springer.

Google Scholar Profile