Kseniya Proença (Rogova)

03/02/1987
Russian

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Research Interest

Information Retrieval, Statistical Data Analysis, Data Modeling, Machine Learning, Image & Speech Recognition

Experience

10/2010–present   **PhD researcher,** *KULeuven,* Leuven, Belgium.
Research topic: Example Based Speech Recognition
Teacher Assistant for the course "Speech Recognition"

10/2009–10/2010   **PhD researcher,** *Petrozavodsk State University,* Petrozavodsk, Russia.
Research topic: developing mathematical methods for classification and search in image collections

01/2010–08/2010   **PhD exchange researcher,** *KULeuven,* Leuven, Belgium.
Research topic: developing mathematical methods for search by shape in image collections

09/2008-01/2010   **Engineer,** *Republican Center for State Protection of Objects of Cultural Heritage of the Republic of Karelia,* Petrozavodsk, Russia.
collection, systematization of information on of Objects of Cultural Heritage, designing and modeling a GIS system.

2007-2010   **Teacher,** *Petrozavodsk State University,* Petrozavodsk, Russia.
Teacher for courses "Applied Statistics" and "Mathematics"

2005-2010   **Project manager and programmer of the project "Information Retrieval System "PIRS",** *Institute of Linguistics, History and Literature, Karelian Research Centre of the Russian Academy of Sciences,* Petrozavodsk, Russia.
collection and systematization information on petroglyphs, developing recognition methods and website

Education

09/2007–06/2009   **Master in Applied Mathematics and Computer Science,** *Petrozavodsk State University,* Petrozavodsk, Russia.
Data Mining, IT-management, Mathematical Models of Pattern Recognition

09/2003–06/2007 **Bachelor in Applied Mathematics and Computer Science,** *Petrozavodsk State University,* Petrozavodsk, Russia.

Databases, Mathematical analysis, Applied Statistics, Statistical Data Analysis, Probability Theory and Mathematical Statistics, Pattern Recognition, Data Management, Programming

Extra Courses

2005-2007 "Regional aspects of management", Petrozavodsk State University, Russia

2013 Teacher assistant training, KULeuven, Belgium

2013 Presentation and Seminar Skills, KULeuven, Belgium

2014 Scientific Writing in English, KULeuven, Belgium

Skills & Interests

Programming Languages Python - main;
some experience in C++, PHP, JAVA

Teaching Teacher assistant for 4 different courses, Petrozavodsk State University, Russia and KULeuven, Belgium

Organization Organization of the 3rd Russian Summer School in Information Retrieval 2009 (concluding treaties, organization of cultural program, working with lecturers, working with funds), Petrozavodsk State University, Russia

Member of organization committee for Russian Summer School in Information Retrieval 2010-2015, Russia

General Interests Organization of events, traveling, meeting new people

Achievements

Contests

○ VII all-Russian exhibition of scientific and technical works of youth NTTM (Moscow, June, 2007) – the medal "For Progress in Scientific and Technical Works";

○ IX contest of business ideas and research works "Young. Daring. Perspective." (Saint-Petersburg, December 2006) – the third diploma;

○ European Union Contest for Young Scientists EUCYS – 2003 (Hungary, Budapest, 2003, September) – third prize;

○ Expo Science Europe ESE-2002 (Slovakia, Bratislava, 2002, July) – the gold medal;

Personal Grants

○ 2010: Erasmus Mundus International Scholar (Triple I program grant)

○ 2008 – 2009: Russian Federation President Scholarship

○ 2008: Anita Borg Scholarship finalist, Google, Switzeland

○ 2008: the grant for participating in 2nd Russian Summer School in Information Retrieval (September 1-5, 2008, Taganrog, Russia)

Project Grants

- 2008 – 2010: Russian Humanitarian Scientific Fund, grant N08-01-1211v, the title of the project is "Information retrieval system "Petroglyphs of Fennoscandia"
- 2005 – 2007: Russian Humanitarian Scientific Fund, grant N05-01-12118v, the title of the project is "Information retrieval system "PIRS"

Main Publications

- K. Rogova, K. Demuynck, D. Van Compernolle. "Automatic syllabification using segmental conditional random fields". Computational Linguistics in the Netherlands Journal, vol.3, pp.34-48, 2012
- A.A Rogov, K.A. Rogova, P.V. Kirikov. The Usage of pattern recognition methods in the system of graphic documents collections managing. // Mathematical Methods of Pattern Recognition: 14th All-Russian Conference. Moscow: 2009. – pages 429 – 432.
- A.A. Rogov, K.A. Rogova, K.N. Spiridonov, M.Yu. Bystrov. Information Retrieval System of Karelian Petroglyphs. / "Herald of the Computer and Informational Technologies". N6, 2008.
- A.A. Rogov, K.A. Rogova, K.N. Spiridonov, M.Yu. Bystrov. The Search Systems in Electronic Collection of Karelian Petroglyphs Images. // The works of the Tenth Anniversary of All-Russian Research Conference "Digital libraries: advanced methods and technologies, digital collections". Dubna, 2008. – pages 127 – 134.

Languages

Russian	**Mother tongue**	
English	**Fluent**	*Daily practice, all work performed in English*
Portuguese	**Basic**	*2.5 years of courses*
Dutch	**Poor**	*1 course (semester)*