

# Curriculum vitæ

Vladislav Maraev

## Personal information

Date of birth 19.12.1986  
Citizenship Russia  
Phone number +33 7 89 97 19 54  
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Address 180 Rue du Maréchal Leclerc, 94410 Saint-Maurice, France

## Employment

### 2016–2017 **Research assistant**

*NLX-Group* (Faculty of Sciences, University of Lisbon, Portugal)  
Scholarship under the QTLep and ASSET projects  
Question answering, paraphrase detection, (deep) machine learning, distributional semantics

### 2012–2016 **Project manager / System analyst / Developer**

*LLC Speech Technology Center* (St. Petersburg, Russia)  
Research and development of speech interfaces:  
– System analytics and development of framework for creating multi-channel conversational agents  
– Design and project management of self-service voice applications for major Russian telco  
– Development and integration of self-service systems for banks, telco, government, etc.  
– Design and development of voice biometrics applications

### 2011–2012 **Engineer / Developer**

*Tieto Oyj* (St. Petersburg, Russia)  
Design and development of self-service voice applications

### 2009–2011 **System Analyst**

*LLC RTC Argus* (St. Petersburg, Russia)  
System analytics for OSS/BSS solutions

### 2007–2009 **Engineer / Developer**

*CJSC PeterStar* (St. Petersburg, Russia)  
Integration and development of: MVaaS, IVR, Video conference as a service platform

## Education

### Higher education

- 2014–2017    **MA in Cognitive Science** 19/20 (thesis)  
University of Lisbon, Portugal 17/20 (total)  
*Modelling Semantic Relations with Distributional Semantics and Deep Learning: Question Answering, Entailment Recognition, and Paraphrase Detection*  
supervisor: Antonio Branco, co-supervisor: Carlos Lourenco
- 2004–2009    **Diploma in Computer Networks** 5/5 (thesis)  
State University of Telecommunications, St. Petersburg, Russia 4.2/5 (curric.)  
*Analysis of Carrier-Grade Ethernet Quality of Service Parameters*  
supervisor: Gennady Yanovsky, co-supervisor: Martin Klimo (University of Zilina, Slovakia)

### Summer schools

- August 2016    **ESSLLI-2016**, Bolzano, Italy  
July 2016    **Lisbon Machine Learning School (LXMLS-2016)**, IST, Lisbon, Portugal  
August 2015    **Summer neurolinguistic school**, Higher School of Economics, Moscow, Russia  
June 2015    **New York-St. Petersburg Institute of Linguistics, Cognition and Culture**  
St. Petersburg, Russia (received travel grant)

### Exchange programs

- Spring 2009    **University of Zilina** (Slovakia)  
Student exchange for writing the thesis (EU TEMPUS Program)

### Courses and certificates

- Tieto    IBM Tivoli Network Manager 3.8 Workshop  
          IBM Tivoli Netcool/OMNIbus 7.2 operation & maintenance  
University of Zilina    CCNA Exploration: Network Fundamentals  
                              CCNA Exploration: Routing Protocols and Concepts  
Coursera    Natural Language Processing (by Stanford University)

## Teaching

- 2011–2012    **State University of Telecommunications**, St. Petersburg, Russia  
– “Information Systems for Research” (Instructor, 36 hours)  
– “Standardization Issues in ICT” (Co-Instructor, 18 hours )  
– 1-day Tutorial “Call Centers: Planning, Evaluation and Optimization”  
– 1-day Tutorial “Introduction to IPv6 and Strategies of IPv6 Transition”

## Skills

**Languages** Russian (native), English (proficient), Portuguese (elementary)

**Technical skills** Python, Java, Clojure, Prolog, Ruby-on-Rails, VoiceXML, TCP/IP, Linux, L<sup>A</sup>T<sub>E</sub>X

## Talks

### Posters

- Vladislav Maraev, *Question Answering Based on Distributional Semantics*, Poster session presented at: PROPOR-2016 Student Research Workshop, July 13–15, Tomar, Portugal.

### Conference talks

- *NLX-Group at Russian Paraphrase Detection Task*: Character-level Convolutional Neural Network for Sentence Paraphrase Detection, AINL FRUCT 2016 Workshop on Russian Paraphrase Detection, Nov 10–12, St Petersburg, Russia
- *Speech-only interfaces: issues and prospects*, AINL 2014 Industry section, Sept 12–13, Moscow, Russia

## Publications

### Journal papers and conferences submissions

- Vladislav Maraev, Chakaveh Saedi, João Rodrigues, Antonio Branco and João Silva: *Character-level Convolutional Neural Network for Paraphrase Detection and other Experiments* (2017, To appear in special issue of Lecture Notes in Computer Science).
- João Rodrigues, Chakaveh Saedi, Vladislav Maraev, João Silva, António Branco: *Ways of asking and replying in duplicate question detection* (2017, accepted at \*SEM)
- Octavia Efraim, Vladislav Maraev and João Rodrigues: *Boosting a rule-based chatbot using statistics and user satisfaction ratings* (2017, submitted)
- Chakaveh Saedi, João Rodrigues, João Silva, António Branco and Vladislav Maraev: *Learning profiles in duplicate question detection* (2017, accepted at IEEE IRI 2017)

### Journal Papers (in Russian)

- Vladislav Maraev, *Methods of Overcoming the IPv4 exhaustion*, Communications bulletin, 10-2014
- Vladislav Maraev and Vladimir Kharitonov, *Strategies of IPv6 Transition in context of IPv4 exhaustion*, Mobile Telecommunications, 09-2014
- Vladislav Maraev, *Analysis of Methods of Backward-Recursive PCE-Based Computation in GM-PLS Networks*, State University of Telecommunications student conference materials, 05-2011
- Vladislav Maraev and Anton Zarubin, *Video Conferencing as a Carrier-Grade Service*, CONNECT! World of Telecommunications, 09-2009
- Vladislav Maraev and Anton Zarubin, *From Call-Center to Video-Call-Center*, CONNECT! World of Telecommunications, 04-2009

## Reviewing

- Member of Programming Committee for Conference on Artificial Intelligence and Natural Language (AINL) 2017.

## References

- **Antonio Branco**, Associate Professor with Habilitation, Department of Informatics, Faculty of Sciences, University of Lisbon
- **Carlos Lourenço**, Assistant Professor, Department of Informatics, Faculty of Sciences, University of Lisbon
- **Helder Coelho**, retired Full Professor, Department of Informatics, Faculty of Sciences, University of Lisbon