CV of Laura Bledaite

Contacts

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Summary

My background is a combination of mathematics, statistics and computer science. My BSc thesis is about how the tail index of a distribution can be used in time series predictions. In my MSc thesis I analyzed how the pairwise preferences can be incorporated in standard recommender systems algorithms.

I am mostly interested in data science, machine learning, functional programming, algorithms. I am most fluent in Scala and Java. I also use R, Matlab and Octave a lot for data related tasks. However, I did some OCaml, Ruby, Python, Javascript in the past.

Currently I am spending my time at Hacker School in New York and looking for a data scientist position in Europe.

Education

Free University of Bozen/Bolzano, Italy

MSc in Computer Science **September 2011 - March 2014**

Modules included: Theory of Computing, Functional and Logic Programming Languages, Computer Networks, Operating Systems, Advanced Internet Technologies, Data Warehousing and Data Mining, Information Search and Retrieval, Database Management and Tuning, Similarity Search, Temporal and Spatial Databases, Research Methods, XML Data Management, Laboratory in Statistics, Seminar in Human-Machine Interaction, Semantic Web Technologies.

The final thesis: *"Pairwise Preferences in Collaborative Filtering"* (supervisor prof. Francesco Ricci).

GPA 110 cum laude/110, Thesis: 8/8

Vilnius University, Lithuania

BSc in Finance and Insurance Mathematics **September 2007 - June 2011**

Modules included: Mathematical Analysis, Algebra and Geometry, Discrete Mathematics, Algebra, Geometry, Data Structures and Algorithms, Selected Topics in Analysis, Statistics, Database Management Systems, Probability Theory and Mathematical Statistics, Actuarial Mathematics, Sampling Theory, Theory of Investments, Risk Theory, Time Series, Informatics, Visual Programming, Methodology of Economics, Foreign Language (English), Introduction to Philosophy, Microeconomics, Macroeconomics, Spanish Language, Italian Language, German Language.

The final thesis: *"The Role of Tail Index in Analysis of Currency Returns"* (supervisor prof. Vygantas Paulauskas).

GPA 8.90/10, Thesis 10/10

Lund University, Sweden

Exchange student **September 2009 - June 2010**

Modules (from Master track) included: Multivariate Analysis, Financial Statistics, Microdata Analysis, Statistics, Beginners Course in Swedish, Econometric Time Series, Categorical Data Analysis, Course Work Project, Swedish for Exchange Students.

Gymnasium of Kaunas University of Technology, Lithuania

High School Diploma **September 2003 - June 2007**

Level A graduation exams taken: Mathematics (100/100), History (96/100), English (99/100), Lithuanian (100/100).

GPA 9.91/10

Independent online courses

Courses taken: Introduction to Databases (Coursera, Stanford University), Software Enginering for SaaS (Coursera, University of California, Berkeley), Functional Programming Principles in Scala (Coursera, École Polytechnique Fédérale de Lausanne).

Awards

Merit scholarship (academic year 2012/2013) from the Autonomous Province of South Tyrol.

Sport achievements:

Winner of multiple bouldering competitions at the National and Baltic level, Prizewinner of multiple National orienteering and ski-orienteering competiotions, 10th in Worldloppet cross-country skiing race Bieg Piastow.

Work experience

Technical Worker at *Institute of the Lithuanian Language*, Vilnius, Lithuania **2011 August - 2011 December**
Data processing for dictionaries.
Used technologies: *Python*, *MySQL*.

Market Research Analyst at *Euromonitor International*, Vilnius, Lithuania **2011 May - 2011 July**
Statistical analysis.
Used technologies: *VBA*, *R*.

Internship at *PZU Lietuva*, Vilnius, Lithuania **2011 February - 2011 April**
I had a three months internship in a products and underwriting management department. The tasks included regression analysis for third party motor insurance, various actuarial computations and other analytical tasks.
Used technologies: *R*, *Python*, *Excel*.

Skills

Natural languages: native **Lithuanian** speaker, proficient in oral and written **English** (Toefl 100), intermediate **German** (B2), beginner **Italian, Swedish**.

Languages: everyday use: *Java, Scala, R, Javascript*; occasional use: *OCaml, Python, Ruby.*

Databases: *PostgreSQL, MySQL.*

Tools: *Bash, Git, Latex.*

OS: *Mac OS X.*

Frameworks: *Play, Ruby on Rails, Grails.*

Other: *HTML/CSS.*

Interests

Solving algorithmic problems (e.g. Project Euler), rock climbing, cross-country skiing, trail running.