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Mekhti Musaev

Education

Jan 2018 – Dec 2018   **Master's Degree (Exchange Student)**, *Machine Learning*, School of Science, Aalto University.
Courses: Machine Learning: Basic Principles, Bayesian Data Analysis, Big Data Platforms (Scala), Concurrent Programming (Scala), Algorithmic Methods of Data Mining, Introduction to Analytics and Data Science, Machine Learning: Advanced Probabilistic Methods, Artificial Intelligence, Special Course on Supervised Learning with Large Label Sets, Special Course on Latent Variable Modeling and Bayesian Matrix Factorization, Mathematical Methods for Network Science.

Sep 2017 – Jun 2019   **Master's Degree**, *Data Science*, The High Performance Computing Department, Information Technologies and Programming Faculty, The National Research University of Information Technologies, Mechanics and Optics (University ITMO), Saint Petersburg, Russia.

Sep 2009 – Jun 2015   **Bachelor's Degree**, *Department of Computer Science, Mathematics and Mechanics Faculty, Saint Petersburg State University*.
Scientific supervisor: Dr.sc.tech, Professor Vladimir O. Safonov

Sep 2008 – Jun 2009   **11-6 Form**, *Saint Petersburg Presidential Physics and Mathematics Lyceum №239*.

Academic Experience

Mar 2018 – Dec 2018   **Research Assistant**, *Probabilistic Machine Learning Group, Aalto University*.
Working on ELFI (Engine for Likelihood-Free Inference) project - statistical software package written in Python for likelihood-free inference (LFI) such as Approximate Bayesian Computation. Research group home page: `https://research.cs.aalto.fi/pml/`
Supervisor: Samuel Kaski, Professor, PI

Sep 2018 – Oct 2018   **Teaching Assistant**, *Machine Learning for Big Data Group*.
CS-E3210 Machine Learning: Basic Principles course. Course home page: `https://mycourses.aalto.fi/course/view.php?id=20569`
Teacher in Charge: Alex Jung, Assistant Professor of Computer Science

Industrial Experience

Oct 2016 – Sep 2017	**Software Engineer**, *Selectel Ltd., selectel.com.* Implementing new and fixing old backend applications in Go and Python. Participating in implementing architectural solutions in products. Doing code review. Implementing functional and unit-tests. Writing code documentation. Finished projects: Rewriting traffic counter from Python to Go. Implementing Unit Tests. Finding and fixing bugs during going into projects. Implementing Unit Tests using mocks. Creating debian packages from projects. Keywords: Python, OpenStack, pytest, Flask, Ubuntu, Go, Jenkins, Git, bash, MySQL, PostgreSQL, Akamai, Jira, Confluence
Sep 2016 – Sep 2016	**Software Developer**, *Freelancer.com.* Doing Python related projects. Profile: https://www.freelancer.com/u/beym.html
Dec 2015 – Jul 2016	**Research Software Engineer**, *Digital Security, Ltd, `https://dsec.ru`.* Implementing static code analyzer for obfuscating algorithms (defending intellectual property), stylometry and transpilers. Technologies: Linux (Debian/Ubuntu), Python, MongoDB, Git, Redmine. Python tools: redbaron, pytest (TDD), asteval, click, mongoengine, virtualenv
Mar 2012 – May 2012	**C# .NET developer (Internship)**, *Evrograndsoft LLC, `http://cofite.com/`.* My responsibility included supporting closed part of website for schedulers of Russian Railways in the Northwestern Federal District.

Open Source Projects

Apr 2016 – present	**Contribution to open source projects**, 1. **ELFI:** `https://github.com/elfi-dev/elfi`, Probabilistic Machine Learning Group, Aalto University 2. **PyCQA RedBaron:** `https://github.com/PyCQA/redbaron` 3. **yapf (owned by Google Inc.) - Yet Another Python Formatter:** `https://github.com/google/yapf` 4. **PyCQA Baron:** `https://github.com/PyCQA/baron`.

International Conferences and Seminars

IT Global Meetup, Saint Petersburg, Russia

3 Dec 2016	**Speaker**, *RedBaron: The new Era in code manipulation*, `https://plus.google.com/+aspectmkn8rd/posts/UvEycobPhhs`.

SPb Python Interest Group, Saint Petersburg, Russia

16 Feb 2017	**Speaker**, *Code metrics: why do we need them?*, `https://www.meetup.com/spbpython/events/236816033/`.

Python Users Berlin (PUB), Berlin, Germany

9 Mar 2017	**Speaker**, *RedBaron: The new Era in code manipulation*, `https://www.meetup.com/Python-Users-Berlin-PUB/events/236875904/`.

Languages

Russian	Native/Bilingual	
Azerbaijani	Native/Bilingual	*Mothertongue*
English	Advanced	
German	Elementary	

Turkish Intermediate

Social Networks

LinkedIn `https://www.linkedin.com/in/mehtimusayev`
GitHub `https://github.com/b5y`
Kaggle `https://www.kaggle.com/musayev`