

Novokolomyazhskiy pr., 13-141  
197375 Saint Petersburg  
Russian Federation  
☎ +79110395135  
✉ mehty.musaev@gmail.com  
📁 b5y.github.io  
🌐 mehtimusayev  
📱 b5y

# Mekhti Musaev

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## Education

- Jan 2018 – Dec 2018 **Master's Degree (Exchange Student)**, *Machine Learning and Data Science*, School of Science, Aalto University.
- Sep 2017 – Oct 2018 **Master's Degree**, *Urban Supercomputing (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*.

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## 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

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## 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.

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## 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>.

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## 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/>.

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## Languages

Russian	Native/Bilingual	
Azerbaijani	Native/Bilingual	<i>Mothertongue</i>
English	Advanced	
German	Elementary	
Turkish	Intermediate	

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## Social Networks

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