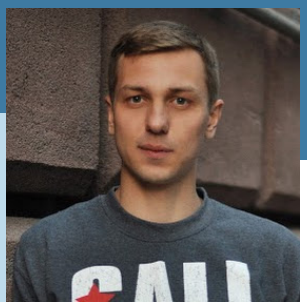
Evgeny Krivosheev



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Hello! I am a PhD Candidate at the University of Trento, Italy. My research activity is directed towards optimisation a finite pool classification problem in identifying items that pass a set of filters (e.g., in systematic literature reviews, where candidate documents are screened based on a set of criteria to asses whether they are in scope for the review). To this end, I work on crowdsourcing and hybrid crowd-machine learning algorithms that optimise the screening process with multiple filters, taking into account loss vs money trade-off.

In my projects I mostly use Python language and many py-tools, such as Scikit-learn, Keras, Pandas, NumPy, SciPy, Matplotlib, iPython Notebook, etc.

I continuously learn by reading scientific papers, doing courses, and listening podcasts (Linear Digressions, TWiML&AI, AI in industry).

My strength:

- Good communication skills
- Cool team player
- Always seeking for new knowledge

Hobbies:

- hiking
- cycling
- boxing

Skills

TCHNOLOGIES

Crowdsourcing	★★★★★
Python2*, 3*	★★★★☆
Machine Learning	★★★☆☆
Statistics	★★★☆☆

LANGUAGIES

English (B2, IELTS academic)	★★★★☆
Russian (native speaker)	★★★★★

Education

UNIVERSITY OF TRENTO (ITALY) Nov 2016 - present

PhD Candidate, advisor Fabio Casati

Research topic: cost-aware crowdsourcing and hybrid crowd-machine algorithms for screening items that satisfy a set of predicates.

PURDUE UNIVERSITY (USA, IN) Jan 2016 – May 2016

Internship, *research in Crowdsourcing and Data Fusion*. (4 months)

BELARUSIAN STATE UNIVERSITY (BELARUS) 2011 - 2016

Specialist in Aerospace information systems and Radiophysics (5 years)

Work Experience

Pi School, Italy Oct 2017 - Dec 2017

Deep Learning Intern (2 months)

Won a merit-based 15.000€ grant to attend Pi School of AI, 8 weeks long specialised school with classes and seminars on Machine Learning and Deep Learning, hands-on projects, and mentoring by researchers of the field. I have worked on a cyber-security project focused on Ransomware detection through the analysis of users activity.

iTechArt Group, Belarus Feb 2015 - Sep 2015

Junior Python Software Engineer (6 months)

Responsibilities:

- development endpoints for RESTful Web Services (Python, Django Web framework, Django REST framework)
- design and implementation custom filters and validators (Python, jQuery, HTML, CSS)
- troubleshooting backend problems

Promwad Electronic Engineering, Belarus Aug 2014 - Feb 2015

Junior Software Engineer (6 months)

Design and implementation embedded software utilising the following technologies: C, Bash, Python, Git, GNU/Linux kernel modules, one board Linux computers, micro controllers

Organizational / Managerial Skills

Founder of "Elective of mutual assistance" project at Belarusian State University. The goal of the project is to help undergraduate students to learn mathematical disciplines with assistance of senior students. Me and my team of 10 senior students have been organizing workshops, seminars, lectures. The project has been successfully working since 2012.

Publication

Jorge Ramirez, Evgeny Krivosheev, Marcos Baez, Boualem Benatallah and Fabio Casati. CrowdRev: *A platform for Crowd-based Screening of Literature Reviews*. ACM Collective Intelligence 2018, Demo

Evgeny Krivosheev, Bahareh Harandizadeh, Fabio Casati and Boualem Benatallah. *Crowd-Machine Collaboration for Item Screening*. Poster WWW 2018

Evgeny Krivosheev, Fabio Casati and Boualem Benatallah. *Crowd-based Multi-Predicate Screening of Papers in Literature Reviews*. WWW 2018

Evgeny Krivosheev, Valentina Caforio, Boualem Benatallah and Fabio Casati. *Crowdsourcing Paper Screening in Systematic Literature Reviews*. AAAI HCOMP 2017

Evgeny Krivosheev, Siarhei Bykau, Sunil Prabhakar. *Detecting and Leveraging Confused Observations in Truth Discovery.* (under revision)

E. O. Krivosheev, I. A. Shalatonin, A. A. Spiridonov, V. A. Saechnikov. *Development of the module for control system, collecting and processing data for the nanosatellite simulator.* VI Belarusian Space Congress, October 28-30, 2014, Minsk (in Russian)