

## PERSONAL INFORMATION

Full name:	Svetlana Golubeva
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Links:	github, HackerRank

## EDUCATION

M.S. in Data Engineering	Current
Politecnico di Milano, Milan, Italy	
Dipartimento di Elettronica, Informazione e Bioingegneria	

M.S. in Software Engineering	July 2015
B.S. in Information Technologies	July 2013
Moscow State Institute of Radio Engineering, Electronics and Automation, Moscow, Russia	
Department of Informational Technologies, Chair of Mathematical Support and Standardization of Information Technologies	

Add. Professional activity area interpreter (IT)	July 2013
Moscow State Institute of Radio Engineering, Electronics and Automation, Moscow, Russia	
Foreign Languages College	

## PROFESSIONAL EXPERIENCE

2016 — R&D engineer (MIREA) (remote)  
Development of the model of department's educational and administrative portal.

- requirements analysis
- formalization administrative of structure of the department
- knowledge management
- building of functional model of the portal
- building of conceptual model of the portal
- project management
- selection of implementation tools
- implementation supervision
- development of search engine

2013–2016 — technical consultant (MIREA) (remote)

Development of the proposal to transfer of the department's infrastructure to open source software.

- selection and comparison of open source analogs for software used in educational process
- selection and preparation of Linux distribution to install
- optimization of network infrastructure
- solution of complex tasks

2011–2013 — System administrator (MIREA)

- network administration
- PC administration
- paperwork for educational department
- assistance for professors

## OTHER PROJECTS

### **Finished:**

#### 2015 — Beer & Fish

Goal: to optimize trading expenses and build prediction model of types of beer to sold.

Results:

- increased sales and level of customer satisfaction
- decreased expences

#### 2015 — LoDe

Goal: to find out if there is a hidden or suspicious activity based on given “blind“ financial reports.

Results:

- “blindness“ of data makes analysis harder
- global market trends were discovered

#### 2012 — SEPP

Goal: to predict stock exchange prices and build optimal trading strategy for given assets.

Results:

- strategy was successful for 9 of 10 companies

- total revenue growth for trader exceeds the expected rate by 10%

#### 2011 — RetroDom

Goal: to build 3d models and virtual tours of houses based on engineering drawings.

Results:

- increased rate of sales
- company growth

#### **Current:**

##### cfft

Goal: to implement cross-platform and independent from third-party libraries fast-fourier transform (forward and backward). (Part of further refopt project)

Steps to do:

- examine the theoretical base
- develop and implement program's architecture
- code optimization and refactoring
- write documentation
- form the release
- further project's support

#### **Upcoming:**

##### refopt

Goal: to transfer existing scientific code from SciLab to C, with improvement of performance, scalability and independence from third-party libraries.

#### Beer & Fish II

Goal: to find better location for a new shop based on economic, social and urbanistic aspects of given area.

#### WaterStat

Goal: to find out if there are significant patterns in the consumption of water resources and propose ways to increase effectiveness of management of the resources and decrease the environmental affects.

## **TECHNICAL SKILLS**

- Operating systems: Linux (Debian – Slackware) / Windows (XP – 7)
- Programming languages (basics): L<sup>A</sup>T<sub>E</sub>X / R / Octave / C++ / Python / Java

- VCS: Git

### **KEY INTERESTS**

- Machine learning / Statistical Analysis
- Information retrieval / Data mining
- Digital image analysis
- Computer graphics

### **ADDITIONAL INFORMATION**

Languages:

- Russian (native)
- English (upper-intermediate)
- Italian (pre-intermediate)