

Ekaterina Ovcharenko

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Skills

Computer languages: Lua, Bash, Python, R, SQL, regular expressions, XML, HTML

Tools: Flyspray, Chili Project, CVS, Git, SSH

Systems: Linux, Windows, MacOS

Soft skills: managing group of 15 people, customer support, teaching

Video editing: Final Cut Pro 2, X

Languages

English: Upper Intermediate

Russian: Native

Experience

Kaspersky Lab

Moscow

Head of heuristic analysis group

May 2012 – present

Responsibilities:

- Leading a group of senior spam analysts.
- Providing antispam heuristics for Kaspersky line of products (Kaspersky Internet Security, Kaspersky Linux Mail Security, Kaspersky Security for Exchange, Kaspersky SDK).
- Ensuring good results in products' public tests.
- Antispam engine development in Lua.
- Improving customer retention by adding a requested functionality and fine tuning the products.
- Supporting and developing a spam analysis toolkit, written in Perl, Lua and Bash.
- Blacklisting IPs by using statistics and SQL.
- Training senior analysts.
- Keeping documentation up-to-date.

Achievements:

- Increased the effective share of heuristics in the overall Spam detection statistics from 45% to 70% with:
 - focusing and controlling efforts using a task management systems, namely FlySpray and Chilli Project;
 - applying the latest approaches from IT conferences and academic papers;
 - initializing and supervision of new spam detection approaches;
 - collaborating with a virus analysis group.
- Trained a team of senior analysts the fundamentals of Unix shell, ssh, CVS, GIT, regular expressions.

Kaspersky Lab

Moscow

Senior Spam Analyst

February 2010 – April 2012

Responsibilities:

- Programming complex heuristics with heavy use of regular expressions.
- Debugging product's control logic.
- Automating routine tasks by writing scripts and utilities.
- Monitoring data from spam traps.
- Spam-analysts support and teaching.
- Second level client support.

Kaspersky Lab*Spam Analyst**Responsibilities:*

- Creating basic antispam heuristics using proprietary text patterns.

Countrycom (telecommunication provider)*Support engineer**Responsibilities:*

- Resolving network connectivity issues.
- Basic wiring tasks.

Secondary school #4*Teacher of physics and mathematics**Responsibilities:*

- Running regular physics classes.
- Preparing students for tertiary entrance exams.
- Providing advanced lectures on physics and mathematics.

Moscow*January 2008 – January 2010***Moscow***June 2007 – February 2008***Dolgoprudny***September 2001 – April 2003*

Education

Moscow State Pedagogical University*Mathematics Teacher**2002 – 2005**Notable attended courses:*

- Mathematical Analysis
- Abstract Algebra
- Analytic Geometry
- Differential Geometry and Topology
- Differential Calculus
- Fundamentals of Probability Theory and Stochastic Processes
- Mathematical Statistics
- Discrete Mathematics
- Mathematical Logic
- Elementary Mathematics

Moscow Institute of Physics and Technology*Applied Mathematics and Physics**1997 – 1999**Notable attended courses:*

- Linear Algebra and Analytical Geometry
- Mathematical Analysis
- General Physics
- Theoretical Mechanics
- Complex Analysis
- General and Applied Economics
- Informatics and Application of Computers in Academic Researches

Interests

Online learning, video editing, kayaking, rafting, boardgames