Ekaterina Ovcharenko

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Computer skills

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

Development Tools: Flyspray, CVS, Git

Systems: Linux, Windows, MacOS

Soft Skills: managing group of 15 people, customer support, teaching mathematics and physics to students

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 Securilty, Kaspersky Security for Exchange, Kaspersky SDK).
- Guiding antispam engine developers.
- Improving customer retention by adding a requested functionality and fine tuning the products.
- Supporting a spam analysis toolkit (set of Perl, Lua and shell scripts).

Achievements:
- Increased the effective share of heuristics in the overall Spam detection statistics from 45% to 75% with:
  - focusing and controlling efforts using a task management systems (FlySpray, Chilli Project);
  - applying the latest approaches from IT conferences and academic papers;
  - collaborating with a virus analysis group.

Kaspersky Lab — **Moscow**

Senior Spam Analyst — *February 2010 – April 2012*

Responsibilities:
- Programming complex heuristics with heavy use of regular expressions.
- Monitoring spam traps data.
- Supporting clients.

Kaspersky Lab — **Moscow**

Spam Analyst — *January 2008 – January 2010*

Responsibilities:
- Creating basic antispam heuristics.

Countrycom (telecommunication provider) — **Moscow**

Support engineer — *June 2007 – February 2008*

Responsibilities:
- Resolving network connectivity issues including basic wiring tasks.

Secondary school #4   **Dolgoprudny**

Teacher of physics and mathematics   *September 2001 – April 2003*

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

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 an 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

Video editing, kayaking, rafting, boardgames.