

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

Video editing: Final Cut Pro 2, X

Systems: Linux, Windows, MacOS

Soft skills: managing group of 15 people, customer support, teaching 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 Security, Kaspersky Security for Exchange, Kaspersky SDK).
- Guiding antispam engine developers.
- Improving customer retention by adding a requested functionality and fine tuning the products.
- Supporting and developing a spam analysis toolkit (set of Perl, Lua and shell scripts).
- Blacklisting IPs by using user-based statistics (SQL).

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 a spam analysis toolkit (set of Perl, Lua and shell scripts).
- 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

Teacher of physics and mathematics

Dolgoprudny
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 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