

# Sergii Dymchenko

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## Summary

Generalist software developer with main interests in algorithms, programming languages, artificial intelligence, and using the right tools for the job.

## Work Experience

### **Software Engineer at Google**

*September 2015 – Present | Kirkland, WA*

DoubleClick Search (ads) bid optimization team. Mostly C++, some Java.

### **Software Engineer II at Meteorcomm**

*April 2015 – September 2015 | Renton, WA*

Worked on positive train control (PTC) system for railroads. Mostly Ruby, some C++.

### **Senior Python Developer at DataArt**

*April 2012 – July 2012 | Kyiv, Ukraine*

Was working in a small team on developing HTML5 application from legacy prototype for a client. Successfully delivered two iterations of the software, including major code and architecture refactoring. Mentored new developers on project internals + documentation and code reviews. Conducted several technical job interviews for the company.

### **Software Developer, Project Reviewer and Community Platform Manager at TopCoder**

*September 2009 – March 2012*

Telecommuting in competitive crowdsourcing environment: software development using wide range of technologies (mostly front-end using jQuery, JavaScript, HTML, CSS; Wordpress, PHP; SQL; automation scripts using Python and Unix shell); code review and project management. Clients list includes companies like PayPal and IBM.

### **Self-employed Software Developer**

*May 2009 – September 2012*

Freelance projects on Elance.com, Freelancer.com and TopCoder.com: PHP, Django, Python, HTML + CSS, JavaScript, Ajax, jQuery, Unix shell, SQL, Lisp, and other.

Personal projects: Progopedia — free encyclopedia of programming languages (<http://progopedia.com> with Russian version at <http://progopedia.ru>), several small Russian-language projects.

### **Software developer at lichiko.com**

*August 2008 – February 2009 | Kyiv, Ukraine*

Mostly Python (Django and Pylons frameworks), AJAX (with help of jQuery), PostgreSQL.

### **Technical Director at Donbass Online Ltd**

*August 2007 – August 2008 | Donetsk, Ukraine*

Technical Director of small e-commerce company (programming, quality assurance, system administration, coordinating external developers work, coordinating multi-language translation efforts, staff hiring and other).

## **Programmer at Donbass Online Ltd**

*February 2005 – August 2007 | Donetsk, Ukraine*

PHP, some Perl and Microsoft Access programming for small e-commerce company.

## Publications

### **An introduction to tabled logic programming with Picat**

Sergii Dymchenko

*Linux Journal, August 2015*

### **Declaratively solving Google Code Jam problems with Picat**

Sergii Dymchenko, Mariia Mykhailova

*17th International Symposium on Practical Aspects of Declarative Languages PADL'15*

### **Declaratively solving tricky Google Code Jam problems with Prolog-based ECLiPSe CLP system**

Sergii Dymchenko, Mariia Mykhailova

*30th ACM/SIGAPP Symposium On Applied Computing SAC'15*

## Education

National Academy of Management, Kyiv, Ukraine

BSc, Computer Science, 2009 – 2011

Donetsk National Technical University, Ukraine

Computer Science, 1997 – 2001

More than 20 courses (MOOCs) on Coursera.org, edX.org, and similar online education platforms.

## Languages

Russian (native), Ukrainian (second native), English (fluent, advanced).

## Selected Speaking Engagements

“Introduction to Tabled Logic Programming with Picat” workshop. *LambdaConf 2016, Boulder, CO.*

“Introduction to Constraint Logic Programming” workshop. *LambdaConf 2015, Boulder, CO.*

## Honors & Awards

Challenge24 programming contest finalist in 2010, 2011 and 2012 (<http://ch24.org/>).

TopCoder Open 2010 Development finalist (<http://www.topcoder.com/tco10>).

Prize at Sapka 2009 programming contest (<http://stanfy.com.ua/contest/>).