

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 Microsoft

April 2018 – Present | Bellevue, WA

AI frameworks team: PyTorch, ONNX Runtime, ONNX, Horovod, CNTK.

Software Engineer at Google

September 2015 – April 2018 | 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.

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

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>).