

# Max Tkachenko

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## contacts

Full Name: Tkachenko Maxim Sergeevich

Residence: Moscow, Russia

Birth: 1988

E-mail: [makseq@gmail.com](mailto:makseq@gmail.com)

[LinkedIn](#) [Facebook](#)

## interested in

**Research & Development:** machine learning, neural networks, speech recognition

**Video Production:** cameraman, editing, compositing, vfx

**Sound Engineering:** recording, mixing

## education

- 1 Musical School [1995-2002, secondary education]  
Honors degree
- 2 [Lyceum of Information Technologies #1533](#) [2002-2005, secondary education]  
Programmer degree, [Intel ISEF Third Award Winner](#)
- 3 [Lomonosov Moscow State University](#) [2005-2010, higher education]  
Master's degree, one of the best master graduate works

## work experience

- 1 [R&D: Tool for plasma modeling and visualizing](#)  
[2003-2006] Particles configuration control in magnetic and electric fields
- 2 [NVF TIMIS, llc.](#)  
[2004-today] Programmer, designer
- 3 [Freelancing](#)  
[2006-today] Sound engineer: Audio recording in studio, mixing, mastering  
[2007-today] Web development: Sites for small companies, programming, design  
[2008-today] Video production: Cameraman, editing, compositing, vfx
- 4 [R&D: Adaptive noise reduction system based on multi-resolution FFT](#)  
[2007-2009] Online denoising service, programming
- 5 [R&D: Loopseque/MovBeats. Audio/Video sequencers for iOS](#)  
[2010-2012] C-Obj & C programming, sound engineering, concept generating
- 6 [Teacher: Lyceum of Information Technologies #1533](#)

[2010-2011] Scientific adviser, taught a programming course

#### 7 [R&D: STEL Computer Systems](#)

[2011-today] Speech recognition, neural networks, high performance computing

#### 8 [R&D: Testarium \(open source\)](#)

[2014-today] Research tool to perform experiments and repository

### hobbies and interests

Bass-guitar, piano, music, sound

Cinema, arthouse, vfx

Swimming, sport, yoga

### languages and os

English, Russian

Windows, Linux (Ubuntu), MacOSX

### skills / advanced level

#### programming

C++, OpenGL, STL, BOOST, OpenMP, MPI, Intel Compilers & MKL, CUDA

Python, Flask, MongoDB, scikit

C#, Delphi, Fortran, Win API

PHP, HTML, CSS, Javascript, AJAX, jquery, d3, angular

Machine learning, Neural networks, Speech recognition, Data mining, DSP

MetaQuotes MQL 4, strategies and automatic trade systems development

Git, Mercurial, Subversion

#### media

Photoshop, Illustrator, CorelDRAW

Premiere, After Effects, Nuke, DaVinci Resolve

Adobe Audition, Ableton, Nuendo, Plugins: Waves, iZotope, BFD, Steinberg

Mixing and mastering theory, psychoacoustics

Photography, Lightroom, RPP, Brushless Gimbals, SimpleBGC tuning (AlexMos)

### skills / basic level / tools

3D Max, V-Ray, Houdini, PFMATCH, Mocha

C-Obj, iPhone/iPad SDK, AudioUnit

SQL, MATLAB, ASM, ZeroMQ, Qt

Unix servers configuring (ubuntu, apache, mysql, git, samba ...)

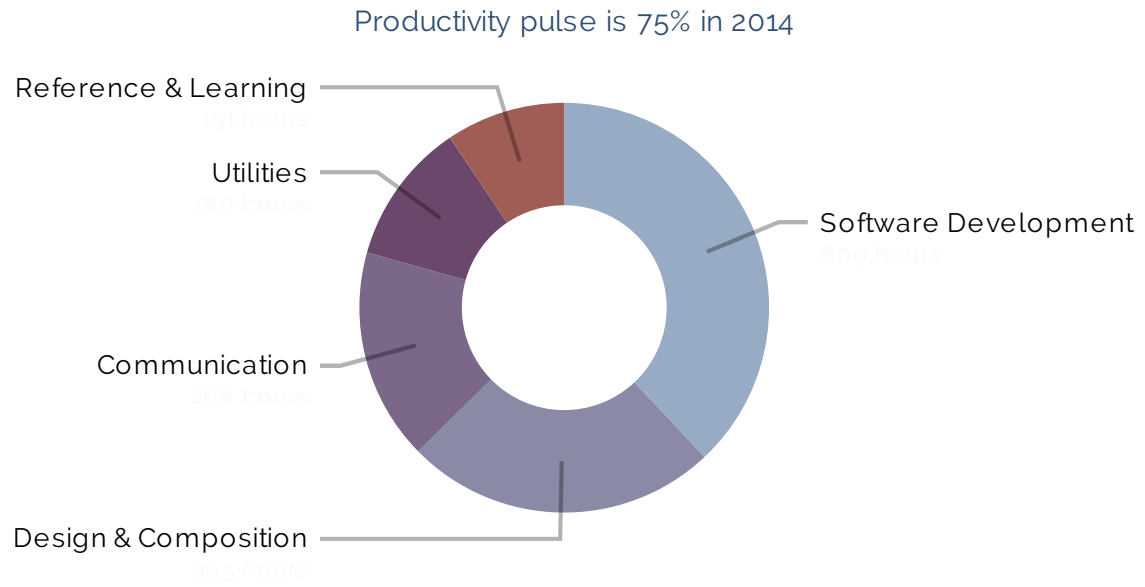
Setup and support for Drupal, Wordpress, Wiki

Financial markets, accounting, registration of contracts

Doxygen, Basecamhq, Confluence, Jira, Wunderlist, Slack

### productivity

I use [RescueTime](#) in my work and due to this I have an opportunity to track all time of my work. Based on it I made my skills distribution over spent time. Consequently you may have a better view of my professional experience. Note: it's a [pure working time](#) when I click on the mouse, type, do some actions.



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