

OLEGS JEREMEJEVS

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I love working on something unique, what no one ever created before. The feeling of making the world richer is just priceless. I'm very ambitious and pedantic about what I do too.

I plan to work on automation, artificial intelligence, computer vision and in other subfields of robotics in the future, being involved in both programming and engineering aspects of a development cycle.

WORK EXPERIENCE

CONTRACT PROGRAMMER @ STARLINK / C# WPF JAVA C

August 2012 – September 2012

A low-latency Bluetooth/TCP tunnel for a chain of computers and devices. Allows to send short messages both ways. Consists of two different apps for Windows Mobile (endpoints of a tunnel), an app for Android (can be both an endpoint and a retransmitter), a program for Windows (can be both a source and a retransmitter) and a server for Linux. NDA doesn't allow to share sources.

A balancer for parallel computations. Allows to distribute and run separate quanta of tasks on multiple nodes of a cluster. [Sources and more details available at GitHub.](#)

An application for a physical experiment. Collects and processes data from four digital magnetic field detectors on corners of a square board, and displays the position of a source of a magnetic field. [Sources and more details available at GitHub.](#)

CONTRACT PROGRAMMER @ ENJOY RIGA / PHP MYSQL JAVASCRIPT CSS HTML

June 2012 – October 2012

Maintenance of an [existing website](#) (implementation of new features and minor bug fixes).

CONTRACT PROGRAMMER @ EKSELCOM / PHP MYSQL JAVASCRIPT CSS HTML

July 2011 – August 2011

Created a [website](#) from ground zero with my own CMS. [Sources and more details available at GitHub.](#)

CONTRACT PROGRAMMER @ EKSELCOM / C# WPF

February 2010 – March 2010

Part of a hardware project. Allows to create/generate/modify raster fonts and use them to build strings for displays in public transport. [Sources and more details available at GitHub.](#)

PERSONAL PROJECTS

MOODLOAD CHROME EXTENSION / PYTHON JAVASCRIPT

April 2013 – now

Makes it possible to download all files from any course on [Moodle](#) in a click. [Sources and more details available at GitHub.](#)

TRIMLESS FOR GOOGLE MAIL™ CHROME EXTENSION / JAVASCRIPT

March 2013 – now

Automatically shows trimmed content in Google Mail™. [Sources and more details available at GitHub.](#)

WINDOWS PHONE 8 APPLICATION / C# SILVERLIGHT

November 2012 – December 2012

A Windows Phone application, the main purpose of which is to allow a user to keep expiration dates of the goods he owns and to warn him when they are about to go bad. [Sources and more details available at GitHub.](#)

AI FOR A 2D TANK / C#

October 2012 – November 2012

A bot for [Russian AI Cup CodeTanks 2012](#). Packs some advanced algorithms, but wasn't polished enough to participate in finals. [Sources and more details available at GitHub.](#)

NETWORK UTILITY / C# WPF

September 2012

Automatically keeps alive a session (or opens a new one, if necessary) with KeySurf (default internet provider in University of Glasgow residences). [Sources and more details available at GitHub.](#)

PASCAL'S GRAPHICAL LIBRARY FOR .NET / C# WPF

January 2012 – April 2012

A library with many graphical functions from Pascal for those, who don't want to dive into WPF yet, but want to see its beauty. [Sources and more details available at GitHub.](#)

WINDOWS PHONE 7 APPLICATION / C# SILVERLIGHT MSSQL

December 2011 – February 2012

A Windows Phone client for a popular word learning service [WordSteps](#). [Sources and more details available at GitHub.](#)

WORD LEARNING APPLICATION / C# WPF

June 2010 – July 2010

A fully featured word learning application compatible with ABBYY Lingvo Tutor. [Sources and more details available at GitHub.](#)

EDUCATION

MSCI COMPUTING SCIENCE AND PHYSICS @ UNIVERSITY OF GLASGOW

2012 – 2013

Took a leave of absence for the next academic year.

PROGRAMMING @ PROGMEISTARS

2005 – 2010

These weren't just programming courses. This is the place where I learned the value of code quality, performance and readability as well as some trivial and non-trivial programming concepts, tricks and approaches. Despite the fact that the language my teachers used was mainly Delphi (except the courses, where specific languages were taught), I didn't share that preference and coded everything in C and C# (when OOP needed) instead. Note that that wasn't prohibited.

ACHIEVEMENTS

2012

Participated in Informatics, Physics and two Mathematics Olympiads (got to the national level in all four), as well as in Lattelecom IT Olympiad (Microsoft sponsored IT contest for students, third absolute place), in Windows Phone App Camp (at the Microsoft Latvia headquarters) and in Russian AI Cup CodeTanks 2012. Previous three-four years were more or less equally full of contests and events.

KNOWLEDGE

As of April 2013

English	fluent
Russian	native
Latvian	fluent
TOEFL	99 / 120 equivalent of IELTS 7.0
SAT Mathematics Level 2	630 / 800 autumn 2011
SAT Physics	710 / 800 autumn 2011
SAT Reading	480 / 800 autumn 2011
SAT Math	700 / 800 autumn 2011
SAT Writing	470 / 800 autumn 2011
Exam Informatics	10 / 10
Exam Physics	A
Exam Mathematics	A
Exam English	A
Piano	diploma 9 years of musical school
Tennis	12 years

SKILLS

MOST USED LANGUAGES AND TECHNOLOGIES

In the order of amount of usage in the last several months

Python and sqlalchemy + PostgreSQL, BeautifulSoup, for both server-side and desktop

JavaScript and jQuery, Chrome API

C/C++ for traditional (Windows and Linux) and real-time operating systems as well as no OS at all

C# and Windows Forms, WPF, XNA, MSSQL, XAML, ASP.NET for .NET, .NET CF, Mono, Silverlight

Java for server-side, desktop and Android

PHP and MySQL

OTHER LANGUAGES I HAVE USED

In the order of knowledge level

SQL, TeX, Pascal, Bash, Batch, LUA and more

TOOLS, EDITORS AND DEVELOPMENT ENVIRONMENTS

Random order, incomplete

Sublime Text, console, git, Photoshop, VirtualBox, Maxima CAS, uWSGI, nginx, Visual Studio, IntelliJ

IDEA, PhpStorm, PyCharm, Notepad++, NetBeans, Putty and more

REFERENCES AVAILABLE UPON REQUEST