

# Taras Shechenko

## Contact Information

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## Executive Summary

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- Strong understanding of algorithms, systems architecture and end-user experience.
- Overall 7 years of experience in Linux environment
- I am passionate about Static Code Analysis
- Skilled in software engineering, web-programming, concurrency, algorithms, math, work in team”

## Technical Skills

Skill Category	Skill List
Programming Languages	C++(98, 11, 14), C, Python , Java, Ruby, JavaScript, Scala, Scheme
Technologies	MPI, OpenMP, Sockets
RDBMS	MySQL, PostgreSQL
Web	Django, Rails, Flask, Tornado, Java Script, HTML, YAML, JSON, XML
Operating Systems	GNU Linux (Debian, Fedora, Red hat Linux), FreeBSD
Development Tools and Libraries	Vim, clang, gcc, STL, boost-libraries, Dlib, QT, tbb, openssl, nestat, tcpdump, ps, netcat ipython, numpy, scipy, scikit, sklearn, rspec, devise, activerecord, passenger, nginx, haproxy, httpd, redis, Elasticsearch
Other	Math modeling, Numerical methods, Machine learning ,Redmine, OpenERP

## Foreign Language Skills

Language	Written	Spoken
English	intermediate	intermediate

## Education

**Institution:** Institute of Applied System analysis  
**Date(s) Attended:** August 2012  
**Expected graduation date:** July 2016  
**Qualification(s):** Taking Bachelor's degree in Computer Science

## Projects

<b>Name:</b>	<b>IHSITOP</b>
<b>Technologies:</b>	Rails, Django, nginx, ElasticSearch, LDAP
<b>Briefly about:</b>	Creating of the software infrastructure for online education. OpenSource components: Edx-Platform, Redmine, OpenERP, PloneCMS. Organizations: Tempus, IASA NTUU “KPI”

<b>Name:</b>	<b>Binder of gestures</b>
<b>Technologies:</b>	RealSenseSDK, C#, WindowsFORMS, Intel F200
<b>Briefly about:</b>	Binds gestures to macros for the keyboard in OS Windows
<b>Purpose:</b>	RealSense hackathon

<b>Name:</b>	<b>Barakat-squash</b>
<b>Technologies:</b>	<a href="http://barakat-squash.com.ua/">http://barakat-squash.com.ua/</a>
<b>Briefly about:</b>	Barakat-Squash [Official website ]

<b>Name:</b>	<b>Karakal</b>
<b>Technologies:</b>	<a href="http://karakal.com.ua/">http://karakal.com.ua/</a>
<b>Briefly about:</b>	Online shop

<b>Name:</b>	<b>2048-hotseat</b>
<b>Briefly about:</b>	Adding of the multiplayer to the popular game
<b>Url:</b>	<a href="http://tshev.github.io/2048/">http://tshev.github.io/2048/</a>

<b>Name:</b>	<b>Introduction to algorithms and computer programming</b>
<b>Contents</b>	<ul style="list-style-type: none"><li>• Notion of algorithm</li><li>• Big O notation</li><li>• Memory model</li><li>• C++ at 9 pages</li><li>• Bunch of how to's.</li><li>• Basic algorithms (max, min, minmax, insertion sort, quick sort, merge sort, DFS)</li><li>• Data structures ( vector, heap, deque, binary search tree, trie, red-black tree, hash_map)</li><li>• Hashing</li><li>• Final project</li></ul>
<b>References:</b>	<ul style="list-style-type: none"><li>• Elements of Programming by Alexander A. Stepanov</li><li>• Concrete Mathematics: A Foundation for Computer Science (2nd Edition) 2nd Editionby Ronald L. Graham (Author), Donald E. Knuth (Author), Oren Patashnik (Author)</li><li>• Own experience</li></ul>