

# Taras Shevchenko

## Contacts

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|-------------------|-------------------|------------------|---|------------------|---------------|
| <b>Email:</b>     | cgeek95@gmail.com | <b>Github:</b>   | <a href="https://github.com/tshev">github.com/tshev</a> | <b>Location:</b> | Kyiv, Ukraine |
| <b>Telephone:</b> | +380.66.020.0288  | <b>LinkedIn:</b> | <a href="https://bit.ly/1SblWF4">bit.ly/1SblWF4</a>     |                  |               |
| <b>Skype</b>      | tshev.com         | <b>Website</b>   | <a href="https://tshev.github.io">tshev.github.io</a>   |                  |               |

## Education

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|----------------------------------|--|
| <b>Institution:</b>              | Institute for Applied System analysis at "Kyiv Polytechnic Institute"                |
| <b>Date(s) Attended:</b>         | August 2012  |
| <b>Expected graduation date:</b> | July 2016  |
| <b>Qualification(s):</b>         | Taking Bachelor's degree in Computer Science   |
| <b>Coursework:</b>               | - Secure File Synchronization Client<br>- Research in Numeric Stochastic Programming |

## Executive Summary

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- Strong understanding of algorithms, systems architecture and end-user experience.
- Overall 7 years of experience in Linux environment
- Skilled in software engineering, web-programming, concurrency, algorithms, math, work in team

## Experience

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### Projects

Ihsitop Site Reliability Engineering, dealing with hybrid software systems (Plone, OpenEDX, Odoo, Redmine)

Websites [barakat-squash.com.ua](http://barakat-squash.com.ua)  
[karakal.com.ua](http://karakal.com.ua)

### Projects just for fun:

- Docker-latex
- C++ Benchmark - header-only library
- Web-based Video to Sound Converter
- Fast Fourier Transform in Parallel
- 2048 hot seat edition
- Binder of gestures (created in a team)
- Elective High School Course "Principles of Computer Programming and Algorithms"

## Technical Skills

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|   |  |
|---|--|
| Programming Languages                   | C++, C, Python, Ruby, Java   |
| Technologies                            | MPI, OpenMP, MapReduce, Sockets, Static Code Analysis  |
| RDBMS                                   | MySQL, PostgreSQL  |
| Web and Related Things                  | Django, Rails, Flask, Tornado<br>Apache, Nginx, HAProxy   Redis, MongoDB<br>JavaScript, JQuery, Knockout |
| Operating Systems                       | GNU Linux (Debian, Fedora, Red hat Linux), FreeBSD   |
| Development Tools and Libraries         | STL, Boost-Libraries, Intel TBB, AddressSanitize<br>Python Scientific Pack                               |
| Familiar with                           | Optimization Theory, Numerical methods, Machine learning   |
| Other Programming languages that I know | Perl, PHP, Scheme, JavaScript  |

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## Foreign Language Skills

| Language | Written      | Spoken       |
|----------|--------------|--------------|
| English  | intermediate | intermediate |

## Education

## 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.<br>OpenSource components: Edx-Platform, Redmine, OpenERP, PloneCMS.<br>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                                     |

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|-----------------------|---|
| <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></ul> |

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|                    | <ul style="list-style-type: none"><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> |