

# Igor Zarvanskiy

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## Summary of qualification

Languages python  
Libraries flask, pymongo, PyQt, networkx, google api(gdata), requests  
Databases MySQL, MongoDB, SQLite3  
VCS Mercurial, Git  
Dev. tools PyCharm, PhpStorm, Sublime Text  
OS Linux, Windows

## Education

2013–Present **PhD Student**, *National Technical University of Ukraine “Kyiv Polytechnic Institute”*, Educational-scientific complex “Institute for applied system analysis”.  
2011–2013 **Masters of Applied mathematics**, *National Technical University of Ukraine “Kyiv Polytechnic Institute”*.  
08.2012 **European Summer School in Industrial Mathematics and Modelling**, *Technische Universität Dresden*.  
2007–2011 **Bachelor of Applied mathematics**, *National Technical University of Ukraine “Kyiv Polytechnic Institute”*.

## Experience

### Vocational

2013–Present **Web developer/PHP Developer**, JAYADIGITAL, Kiev.  
Dynamic web application programming and HTML coding using Yii and Symfony2 as frameworks.

### Miscellaneous

2009–2013 **Web Developer**, *Freelance*, Kiev.  
Dynamic web site design and programming using CMS “Drupal”.  
2007–2013 **System Administrator**, *Vogt Medical Vertrieb GMBH*, Kiev.  
Provide Windows/Linux administration, network operating center administration, LAN/WAN/VPN administration, intrusion detection and prevention monitoring. Also manage FTP servers, AD/DNS, wireless access points and load balancers. Design and implement highly available and disaster recovery solutions.

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## Projects

- 08.2013– **KPS.**  
Present Description: set of script for analizing cardiogram and make prediction about disease  
Responsibilities: app full development, math backgroud, networkx, matplotlib
- 05.2014– **Tryton ERP research.**  
07.2014 Research workflow of Tryton ERP-system and module witing for meat manufacture plan.  
Responsibilities - module writing, searching and documenting internal API.  
Publications: <http://habrahabr.ru/post/222121>
- 03.2014– **Map generator.**  
05.2014 Description: script for generating random maps for iOS game (main idea of game - pathfinding)  
Responsibilities: app full development, math backgroud, networkx, matplotlib, PIL  
Source: <https://bitbucket.org/clutcher/cng>
- 04.2013– **X-Rift.**  
12.2013 Description: augmented reality game for android  
Responsibilities: back-end developer, restful api(tornado), mongodb, monster ai(threading), designing and implementing server infrastructure, Azure
- 05.2013– **EnINexus.**  
06.2013 Description: android app for notification about Ingress game process  
Responsibilities: back-end developer, request library for parsing ingress.com.intel, mongodb, restful(flask)  
Source: <https://bitbucket.org/clutcher/enInexus>
- 01.2013 **Ingress codes.**  
Description: script for parsing pass-codes in g+ and input data to ingress.com/intel  
Responsibilities: full app dev, request library for parsing data  
Source: <https://bitbucket.org/clutcher/ingresscodes>
- 11.2012– **PMT.**  
01.2013 Descriptions: set of scripts for calculating the strength of the pipes with defects.  
Responsibilities: app full development, math backgroud, xlwt  
Source: <https://bitbucket.org/clutcher/pmt>
- 03.2012– **NRT.**  
01.2013 Description: set of tools for modeling and analyzing complex networks  
Responsibilities: app full development, networkx , pyqt, matplotlib  
Source: <https://bitbucket.org/clutcher/nrt>

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## Languages

- Russian **Native**  
Ukraine **Native**  
English **Intermediate**

Kiev – Ukraine

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