

Alexander Kachkaev

Software Engineer / Researcher / Web Developer

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Education

- Since 2011 **City University London** (UK)
MPhil/PhD School of Engineering and Mathematical Sciences
Intelligent Transport Systems
Supervisors: Prof. Jo Wood, Prof. Dinos Arcoumanis
- 2009 – 2010 **City University London** (UK)
MSc School of Engineering and Mathematical Sciences
GPA: 82.26 of 100, degree with distinction
Programming, Cryptography and Security, Image Processing, Signal Processing
- 2008 – 2010 **Saint Petersburg State Polytechnic University** (Russia)
MSc Department of Distributed Artificial Intelligent Systems
GPA: 5 of 5 (excellent), red diploma (degree with distinction)
Distributed Intelligent Systems, Neural Networks, Software Development, Robotics
- 2004 – 2008 **Penza State University** (Russia)
BSc Department of Information and Computing Systems
GPA: 4.95 of 5 (excellent), red diploma (degree with distinction)
Informatics, Economics, Programming, Automated Information Systems, Databases

Work Experience

Professional

- Since 2011 **City University London** (UK)
Teaching assistant (PG/UG courses)
Was involved in the following modules:
- E-commerce
 - Information Architecture
 - Multimedia Design and Development
 - Research Methods and Professional Issues
 - Web Applications Development
- Since 2006 **“EMI” automotive components plant** (Penza, Russia)
Software developer
- designing and implementing software and building hardware components for data exchange with the numeric control machine tools
 - developing the website for the company, filling it with contents
(English version is available at www.emi-penza.com)
- Since 2008 I work for the company remotely (keep the website up to date)*

- 2008 – 2011 **Freelance**
 Web programming, make-up, database development, consultancy (various projects)
- 2007 **“Rubin”, the scientific production association** (Penza, Russia)
 Summer internship
- software developing for Linux using C++ with QT
 - rich experience in team working

Volunteering

- Since Feb 2010 **OpenStreetMap** (see openstreetmap.org or search “osm” with Wikipedia)
 Help creating the best free map of the world
- mapping places where I’ve been and that I know
 - contributing as a developer (Java)
 - taking part in mapping parties (team-mapping events) and organising them
 - promoting the project by blogging and other social instruments
- May – June 2010 **NevaCamp Future Web IT-conference** (Saint Petersburg, Russia)
 Contributed as a volunteer web developer
- designing and programming of some parts of the official website
 - fixing existing bugs, reporting errors, optimizing the source code
 - editing articles

Skills and Software Experience

- Programming **Java+Processing, PHP, JavaScript, ActionScript, C#, C++, Pascal**
PostgreSQL+PostGIS, MySQL, SQLite; GIT, SVN; Unit testing
Eclipse, Visual Studio, Delphi/BCB; Javadoc/PHPDoc/JSDoc/etc.
- Web **HTML, CSS; Symfony2+Twig+Doctrine, CodeIgniter; MVC, AJAX, BEM**
Apache, ISPManager; Google Analytics, Google Closure; SEO
- Other **MS Office, LaTeX; Adobe Photoshop (+Lightroom), Flash; VM Virtual box;**
Matlab, LabView, 3DMax; Mac OSX, Windows, Ubuntu;
touch typing on English “QWERTY” and Russian “ЙЦУКЕН” keyboard layout

Professional Memberships

- Since 2011 Intelligent Transport Systems UK
 Since 2011 The British Cartographic Society
 Since 2011 OpenStreetMap Foundation

Languages

English (advanced), **Russian** (native), **German** (basic)

Interests and Activities

- Sports swimming
- Things I like IT, mapping, urban environment, public transport, accessibility, typography, robots, open source and wiki projects, information representation, photography, art of advertising, offbeat approaches to anything