

## **Rakhim Davletkaliyev**

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Homepage: <http://freetonik.com/en> (English), <http://freetonik.com> (Russian)

### **EDUCATION**

Bachelor of Computer Science, Software and Computing Stream, High Honour  
Carleton University, Ottawa, Ontario

- Scholarship of President of Republic of Kazakhstan
- Graduation date: August 2011
- Honors project title: *"Solving classical problems in computational molecular biology using distributed computing and web technologies"*

**INTERESTS**            Software development, project management, bioinformatics, web technologies

### **RELEVANT SKILLS, EXPERIENCES AND ACCOMPLISHMENTS**

#### **Technical Skills**

- Programming languages of preference – C/C++, Java, JavaScript/ActionScript, Scheme
- Experience in web development using HTML, XML, JavaScript/Ajax, PHP, Flash
- Experience in setting up and using web servers, databases and content management systems
- Working knowledge of Unix (Linux, BSD, Solaris)

#### **Communication skills**

- Fluent in English and Russian
- Reached Kazakhstan's Debate tournament finals
- Produced more than 30 translations of videos from Russian to English

#### **Leadership Skills**

- Led web developers team to complete the project in time
- Hosted several internet media projects with total audience of approximately 2,000,000 views
- Found and organized a group of volunteers to work on an educational project Hexlet.ru
- Organizer a group of volunteers to create a free blogging platform Wikistan.kz

## WORK EXPERIENCE

*Instructor, lecturer, January 2012 – current  
International IT University, Almaty, Kazakhstan  
<http://iitu.kz>*

- Reading lectures in the course of Internet Programming (in English)
- Reading lectures and instructing in the course of Operating Systems (in English)
- Doing open lectures about distributed computation, genetic algorithms and web technologies regularly (in both English and Russian)

*Co-op junior software developer, May 2011 – December 2011  
Contractor software developer, December 2011 – April 2012  
Macadamian Technologies  
<http://macadamian.com>*

- Worked on several projects
- Developed company's mobile website (m.macadamian.com)
- Worked on a web app and RESTful service for a book library in the office
- Worked in a project using Adobe Flex and Java

*Co-op software developer, May 2010 – August 2010  
Ericsson Canada, Radio Ottawa R&D Engineering Services  
<http://ericsson.com/ca>*

- Worked on code-migration project
- Successfully set code inspection and code browsing tools into organization's workflow
- Helped to migrate large portions of code on time

*Web developer, website editor June 2009 – August 2009  
Embassy of Kazakhstan in Canada, Ottawa, Ontario  
<http://kazembassy.ca>*

- Developed and maintained embassy's official website
- Created design style and filled with content
- Supported the embassy staff for a year

*Layout designer and computer technician, May 2005 – August 2005, June 2006 – August 2006  
"Nadezhda" newspaper, Uralsk, Kazakhstan  
<http://www.condensat.kz/nadezhda/index.htm>*

- Installed and maintained computer systems and network in the office
- Designed layout for several issues of the newspaper

*Computer technician, March 2005 – May 2005  
"Uralskaya Nedelya" newspaper, Uralsk, Kazakhstan  
<http://uralskweek.kz>*

- Installed and maintained computer systems and network in the office
- Designed layout for several issues of the newspaper

## VOLUNTEERING EXPERIENCE

*Web developer, photographer, January 2009 – current*  
*“The Leveller” newspaper, Ottawa, Ontario*  
<http://leveller.ca>

- Developed and maintained newspaper’s official website (two versions)
- Produced photographs for most issues of the newspaper
- Edited photographs for the newspaper and website gallery

*Contributor, April 2010 – May 2010*  
*SAGE Mathematical Software project*  
<http://sagemath.org>, <http://freetonik.com/sage>

- Participated in “Sage” open source project
- Translated official tutorial into Russian with another volunteer
- Recorded four educational screencasts about use of Sage

## PERSONAL PROJECTS

*Creator and administrator of free blogging platform*  
<http://wikistan.kz>

- Opened an ad-free blogging platform for people to use free of charge
- Developed a concept of a free and democratic governance on the platform
- Currently supporting more than 300 users

*Host of web-portal for computer science and math students to exchange experience*  
<http://hexlet.ru>

- Created a website for computer scientists and mathematicians to share knowledge and experience
- Found and organized a group of volunteers
- Shot and edited more than 20 episodes of video-podcast and tutorials (total views ~50,000)
- Wrote several educational articles on computer science

*Developed a JavaScript framework for distributed evolutionary computation*  
<http://degas.freetonik.com>

- Written the client and server code in JavaScript to distribute genetic algorithm computation
- Used Web Workers, Web Sockets and node.js

*Host of several audio and video-podcasts in Russian language – since 2007*  
<http://freetonik.com/en>

- Hosted several audio and video-podcasts in Russian language
- Awarded with Russian Podcasting Listener’s Choice 2008, Listener’s Choice 2009 and Best Duet Podcast 2009 awards
- Recorded and edited more than 260 audio and video-podcasts since 2007

*Eye exercises*  
<http://eye.freetonik.com>

- Developed a website with a set of simple eye exercises
- Used HTML5 and JavaScript

*Blog freetonik.com, articles, translations, videos, podcasts, photography*  
<http://freetonik.com>

- Articles on computer science, English language, podcasting, astronomy
- Photography, video, screencasting, other publications