

Foat Akhmadeev

Senior software engineer

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Interests

Project management • Computer vision • Software engineering
Web development • E-commerce • Technical writing

Professional experience

- 2015-Present Self-employed, **Senior software engineer**
- Java, C++ development.
 - Computer vision R&D.
 - Project management.
 - Projects:
 - Java throttling framework development from scratch.
 - Real-time road lane recognition on C++.
 - Detection several instances of an object on a single image for Android.
 - Upgrading [interpreter](#) written on Java.
 - Related skills: Java, JavaScript, C++, Android, MySQL, Spring Framework, GAE, OpenCV, Build automation tools, Git.
- 2014-2015 [CMP](#), **Computer vision researcher**
- Computer vision R&D.
 - Project: Image rectification using vanishing lines and local affine frames.
 - Related skills: C++, Matlab, Unix, Git.
- 2013-2014 [RoadAR](#), **Computer vision developer**
- Computer vision R&D.
 - Real-time traffic sign recognition on mobile phones.
 - Project: [RoadAR](#).
 - Related skills: C++, Java, OpenCV, PostgreSQL, Swing, Maven, Android NDK, Boost library, CMake, Git.
- 2013 [Digital Zone](#), **Senior software developer**
- Project management and code review.

- Conducting technical interviews.
- Java frontend and backend development.
- Project: [ulmart.ru](#) ([link 1](#), [link 2](#)).
- Related skills: Java, MySQL, Spring MVC, Apache Solr, JavaScript, Application servers, Freemarker, Git, Maven.

2011-2013

Digital Zone, Software developer

- Java frontend and backend development.
- Project:
 - Social networks related websites.
 - [ulmart.ru](#).
- Related skills: Java, GWT, Spring MVC, EJB, Apache Solr, JavaScript, Application servers, Freemarker, Version control, Build automation tools.

Education

2012-2014

MSc in Computer Science

Kazan Federal University, Russia

ADVISOR: Evgeny Stolov, Kazan Federal University

- Computer vision, Image processing.
- Project: *3D scene reconstruction from a single view*. Publication: [[1](#)].
- Related skills: Matlab, C++, \LaTeX .

2008-2012

BSc in Computer Science

Kazan Federal University, Russia

ADVISORS: Evgeny Stolov, Kazan Federal University; Aleksandr Shlyannikov, Kazan Federal University

- Computer vision, Image processing, Web development.
- Projects: *Handwritten digit recognition*, *E-library using GWT*.
- Related skills: Java, JEE, GWT.

It & programming skills

Main languages: Java, C++.

Data analysis: Matlab.

Scripting languages: Shell script, JavaScript.

Markup languages: XML, JSON, HTML, CSS.

Query languages: SQL.

Application and web servers: JBoss, Tomcat, Jetty.

Revision control: Git, Subversion.

Build tools: Maven, Gradle, CMake.

Systems on administration level: OS X, Linux, Windows.

Other: Spring Framework, EJB, GWT, JQuery, MySQL, PostgreSQL, GAE.

Digital typesetting: \LaTeX , \LaTeX .

Languages

Russian (native speaker)

English (professional working proficiency)

Publications

- [1] F. Akhmadeev. Surface prediction for a single image of urban scenes. In C. Jawahar and S. Shan, editors, *Computer Vision - ACCV 2014 Workshops*, volume 9008 of *Lecture Notes in Computer Science*, pages 369–382. Springer International Publishing, 2015.