

## Roman Ripp

Computer Scientist

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### Profile

Motivated, dynamic and talented **Software Engineer** seeking to advance professional career. Have a true passion for technology and programming. Highly-skilled C/C++ and Java developer. In-depth understanding of Software Engineering, Algorithms Data Structures and Design Patterns. Interested in 3d Simulation, Robotics and Machine Learning. Some of my work and interests can be seen at [romanripp.info](http://romanripp.info). Fast-learning, hard-working specialist with previous work and research experience. Showed myself as organized, self-motivated and capable of working under pressure by combining studies with work and other commitments. In 2012 was selected from over 1600 candidates and awarded with the Fulbright scholarship. Currently I am working full time at DP Technology corp. After hours I am involved in [thedentasticapp.com](http://thedentasticapp.com) start-up. Also my pet project is a ROS based controller for parrot bebop drone.

### Education and Training

September 2012 – May 2014	<b>Master's studies in Computer Science</b> , University of Minnesota Twin-Cities, USA
July 2012 – August 2012	<b>Fulbright English For Graduate Studies</b> , Monterey Institute of International Studies, USA
September 2011 – June 2012	<b>Master's degree in Control for Technical Systems</b> , Tomsk Polytechnic University, Russia
September 2007 – June 2011	<b>Bachelor's degree in Automation and Control</b> , Tomsk Polytechnic University, Russia.

### Awards and Scholarships

July 2012 – present	Fulbright Foreign Student Program, USA.
September 2007 – May 2012	Government Stipend, Russia.
October 2007 – June 2011	Elite Education Stipend, Russia.

### Work Experience

Jun 2014 - present	<b>Software Engineer</b> at DP Technology ( <a href="http://www.dptechnology.com">www.dptechnology.com</a> ). Currently working on software optimization and new feature design for CAM solution ESPRIT.
June 2013 - September 2014	<b>Research assistant</b> at the Robotic Sensor Networks Lab ( <a href="http://rsn.cs.umn.edu">rsn.cs.umn.edu</a> ), University of Minnesota. (USA) Working on autonomous navigation algorithms for unmanned aerial vehicles.
August 2011 – May 2012	<b>Software Engineer</b> . Worked on medical data analysis at the Siberian State Medical University. (Russia) Implemented the toolbox for organ failure risk estimation (Patent #2013618426).
September 2009 – October 2010	<b>Software Engineer Intern</b> . Worked on a software library for industrial automation applications at the Tomsk Electronic Company (Russia). I have also did operator interface design.

### Skills

<b>Languages</b>	Russian - <b>Native</b> English - <b>Fluent</b> ( <i>TOEFL ibt</i> )
<b>Skills and competences</b>	<ul style="list-style-type: none"><li>• OpenCV, ARToolKit, LensKit, PMTK, Java-ml, LibSVM,</li><li>• C/C++, Java, Python, IEC 61131-3 languages.</li><li>• Linux, MacOS, Windows, Mobile platforms, Android.</li><li>• Math and data analysis software, PTC MathCAD, MATLAB, SPSS Statistics.</li></ul>