Roman Ripp
Software Engineer

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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++ developer. In-depth understanding of Software Engineering, Algorithms and Data Structures and Design Patterns. Fast-learning, hardworking 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 a Fulbright scholarship. Working as a Software Engineer for DP Technology corp. Involved in a Computer-aided Manufacturing (CAM) software project. Main responsibilities is to develop new features and maintain CNC machining simulation inside of CAM software ESPRIT (https://www.espritcam.com).

Education and Training

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

Awards and Scholarships

July 2012 – May 2014	Fulbright Foreign Student Program, USA.
September 2007 – May 2012	Government Stipend, Russia.
October 2007 – June 2011	Elite Education Stipend, Russia.

Work Experience

10/01/2015 - present	Software Engineer for DP Technology corp. Involved in several projects including but not limited to CNC machining simulation, UI design, backend development, software quality improvement, continuous integration.
06/09/2014 - 08/28/2015	Software Engineering Intern at DP Technology corp. Worked on software optimization and new feature design for CAM solution ESPRIT.
05/27/2013 - 08/25/2013	Research assistant at the Robotic Sensor Networks Lab (rsn.cs.umn.edu), University of Minnesota. Working on autonomous navigation algorithms for unmanned aerial vehicles.
08/11/2011 – 05/30/2012	Software Engineer at the Siberian State Medical University. Worked on medical data analysis, implemented the toolbox for organ failure risk estimation (Patent #2013618426).

Skills

Software libraries: C++ Standard Library, Machine Works, BinarySpaces, OpenCV.
Programming languages: C/C++, Python, C#.
Development tools: TeamCity, Jenkins, Git, VisualStudio, Eclipse, proficient with windows and unix command line tools.
Math and data analysis software: PTC MathCAD, MATLAB, NumPy, SciPy.