

## ASYA F. NIKITINA

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### TECHNICAL SKILLS

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**Programming Languages:** JavaScript, PHP, Perl, C++, C++/CLI.NET, C#.NET  
**Web Development:** HTML, CSS, JavaScript, PHP, Angular, Bootstrap, WordPress  
**Databases:** MySQL, MariaDB, Oracle  
**Networking:** Socket programming, TCP/IP concepts  
**Subversion and Virtualization:** Git, VMWare  
**Functional Skills:** Object-oriented programming, multithreaded programming, functional programming, machine learning, pattern recognition, clustering, software development lifecycle, UML, test-driven development.

### EDUCATION

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<b>Coding Bootcamp</b>	<b>Deep Dive Full Stack Web Development Bootcamp, CNM Ingenuity, Inc.,</b> Albuquerque, NM	09/2018
<b>M.S. in Computer Science</b> (GPA 4.0)	<b>University of Nevada, Reno,</b> Reno, NV	12/2007

### FELLOWSHIPS AND AWARDS

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1/2006 – 12/2007	<b>National Science Foundation</b> , Graduate Research Fellowship to conduct research in Computer Science; University of Nevada, Reno, Nevada
8/2003 – 5/2004	<b>Outstanding Computer Technologies Student</b> in Computer Information Technology Programming; Truckee Meadows Community College, Reno, Nevada.

### SELECTED EXPERIENCE

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6/2008 – 10/2011	<b>INFORMATICS SOLUTIONS SPECIALIST:</b> Advanced Chemistry Development, Inc. (ACD/Labs: <a href="https://www.acdlabs.com/">https://www.acdlabs.com/</a> ) <ul style="list-style-type: none"><li>▪ Creating custom enterprise-level software solutions for managing chemical data.</li><li>▪ Creating domain-specific components such as dynamic-link to extend functionalities of the existing ACD/Labs software products.</li><li>▪ Integrating ACD/Labs applications with other vendors' software.</li><li>▪ Participating in International scientific conferences and trade shows.</li></ul>
1/2006 – 12/2007	<b>GRADUATE RESEARCH FELLOW:</b> Computer Science and Engineering Dept., University of Nevada, Reno (UNR: <a href="http://www.cse.unr.edu/">http://www.cse.unr.edu/</a> ) <ul style="list-style-type: none"><li>▪ Worked on an interdisciplinary research project in computer science and chemistry.</li><li>▪ Collected raw chemical sensory data and selected an optimal number of features.</li><li>▪ Created, implemented in C++, and tested on benchmark data sets five different pattern recognition algorithms, four of which were capable of performing recognition of unseen before samples with high classification accuracy.</li></ul>
6/1997 – 10/1999	<b>MANAGER OF NMR DATABASE DEPARTMENT:</b> ACD, Ltd., Moscow, Russia <ul style="list-style-type: none"><li>▪ Took part in creating of various analytical spectral databases.</li><li>▪ Supervised the population, testing, modification, and major upgrades of the spectral databases used both to improve prediction accuracy of the company software and as stand-alone commercial products.</li><li>▪ Managed up to 20 people in the department.</li></ul>

### RECENT PUBLICATION

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- Golotvin, S.S.; Pol, R.; Sasaki, R.R.; **Nikitina, A.**; Keyes, P. "Concurrent combined verification: reducing false positives in automated NMR structure verification through the evaluation of multiple challenge control structures," *Magn. Reson. Chem.*, **2012**, 50(6), 429-435.