

Grigoriy Kondyukov

PERSONAL & CONTACT INFORMATION

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Date of Birth: August 1992

EDUCATION

B.S. Physics with Honors
B.S. Applied and Computational Mathematics
Dual Degree GPA: 3.44, Florida State University, *December 2015*

SKILLS

- Thorough understanding of C++, working knowledge of Embarcadero Delphi/Object-Pascal, Python, shell scripting, Mathematica, LabView, low-level programming, Verilog, LaTeX typesetting.
- Expertise in mathematical modeling and algorithms, numerical solutions to linear systems and partial differential equations, database programming.
- Excellent command of Windows and Unix-based operating systems.
- Fluent in Russian.

EXPERIENCE

Three-Body Coulomb Interactions and Mass Variance, Honors Thesis
Department of Physics, Florida State University, *May 2014 - December 2015*

- Developed a numerical solution to the three-body Schrödinger equation to a Coulomb potential in C++. Used computational model to investigate viable ground state and complex resonance energies as functions of atomic mass ratios and charge configurations.
- Advisor: Dr. Alexander Volya

Federal Work-Study Research

Department of Physics, Florida State University, *August 2013 - May 2014*

- Wrote automation software for condensed matter physics equipment in LabView and Embarcadero Delphi.
- Advisor: Dr. Eric Lochner

Federal Work-Study Research

Department of Physics, Florida State University, *August 2012 - August 2013*

- Programmed National Instruments Equipment and FPGAs using LabView.
- Advisors: Dr. David Van Winkle & Kurt Koetz

OUTREACH ACTIVITIES

Vice President of the Society of Physics Students, *August 2014 - August 2015*
Gave physics demonstrations and talks at local events and schools to foster an interest in science in people of varying ages.

Student Mentor, *Summer 2012, Summer 2013, Summer 2014*
Guided incoming undergraduate physics students around the opportunities in research and academic success available at the university.