

Sergey Barseghyan

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EDUCATION	Moscow Institute of Physics and Technology , Dolgoprudny, Russia <ul style="list-style-type: none">▪ B.S. in Applied Math and Physics (<i>Phystech School of Fundamental and Applied Physics</i>)<ul style="list-style-type: none">• Relevant Coursework: Computational Methods of Theoretical and Experimental Physics, Probability, Partial Differential Equations. Ayb High School , Yerevan, Armenia
RESEARCH EXPERIENCE	Laboratory of High Energy Physics , MIPT <ul style="list-style-type: none">▪ Undergraduate Research Student, Theoretical Department<ul style="list-style-type: none">• Supervisor: Prof. Emil T. Akhmedov• Focus: Quantum Field Theory in curved space-time .
WORK EXPERIENCE	ThunderBid Trading Limited , Moscow, Russia <ul style="list-style-type: none">▪ Quantitative Researcher Jul 2019 – Present<ul style="list-style-type: none">• Developed and modified HFT algorithm that increased company's returns by 10% Private Tutor , Moscow, Russia Mar 2017 – Present <ul style="list-style-type: none">• Mathematical Analysis, General Physics, Theoretical Mechanics, Probability, Machine Learning• Besides teaching to bachelor and high school students I have been consulting specialists in matters of physics and mathematics for their projects Laboratory of High Energy Physics , MIPT <ul style="list-style-type: none">▪ Research Technician Jul 2017 – Present<ul style="list-style-type: none">• Reporting on seminars and schools, editing problem book on mathematical methods of quantum field theory
AWARDS	<ul style="list-style-type: none">▪ Trinity College Firefighting Robot Competition (top 5 out of 200 competitors and prize for best design) Hartford, Connecticut, USA Apr 2013▪ Armrobotics Linetracking robot competition (First Prize) Nov 2012▪ McKinsey Biggame Case Championship (2nd Place) Nov 2017▪ Double Champion in Powerlifting among univesity students in Moscow 2018 & 2019
SCIENTIFIC ACTIVITY	<ul style="list-style-type: none">▪ Regular reporter on scientific seminar on gauge theories and strings Sep 2018 – Present▪ Lecturer on the school "Algebraic and Geometric Methods in Mathematical Physics", Sep 2017▪ Scientific Secretary on International School of Subnuclear Physics, Erice, Sicily, Italy Jun 2017
SCHOOLS & CONFERENCES	<ul style="list-style-type: none">▪ Wolfram Summer School Armenia 2016, Wolfram Research▪ International School "Advanced Methods of Modern Theoretical Physics: Integrable and Stochastic Systems" Dubna, Russia▪ "String theory, integrable models and representation theory 2019" Skoltech, Moscow
ONLINE COURSES	<ul style="list-style-type: none">▪ Coursera: Art of C++ Development: White Belt from Yandex and MIPT▪ Coursera: Machine Learning and Data Analysis: Supervised Learning from Yandex and MIPT▪ Coursera: Machine Learning and Data Analysis: Mathematics and Python from Yandex and MIPT▪ Stepik: Programming on Python from Bioinformatics Institute▪ Stepik: Investment Banking from Inside from European University at St. Petersburg▪ Stepik: Introduction to Linux from Bioinformatics Institute
LANGUAGES	<ul style="list-style-type: none">▪ English: Fluent.▪ Russian: Native.▪ Armenian: Native.
TECHNICAL SKILLS	\TeX , \LaTeX , Mathematica, R, Python, C, C++, SQL, Numerical Methods, Fortran, Linux
INTERESTS	Judo, Chess.

