

VSEVOLOD V. OPARIN

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<http://mit.spbau.ru/~oparin>
- BIOGRAPHICAL DATA Date of birth: October 08th 1989
Place of birth: Sverdlovsk-44
Citizenship: Russia
- CURRENT POSITION Laboratory Assistant in St. Petersburg Department of Mathematical Steklov
Institute.
June, 2015 – present.
- REFERENCE LIST
- Dr. Dmitry M. Itsykson
Steklov Institute of Mathematics at St. Petersburg
27, Fontanka, St. Petersburg, 191023, Russia
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 - Dr. Alexander S. Kulikov,
Steklov Institute of Mathematics at St. Petersburg
27, Fontanka, St. Petersburg, 191023, Russia
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- EDUCATION
- [St. Petersburg University of the Russian Academy of Sciences](#)
M.Sc. in Computer Science, 2010-2012
- Advisor: [Dmitry M. Itsykson](#)
 - Thesis: “Complexity of splitting algorithms in non-binomial case”
- [St. Petersburg State University of Information Technologies, Mechanics and Optics](#)
B.Sc. in Computer Science, 2006-2010
- Advisor: [Alexander L. Tulupyev](#)
 - Thesis: “Automation of formation of secondary structures of algebraic Bayesian networks”
- ADDITIONAL EDUCATION [PDMI Computer Science Student Club, St. Petersburg](#)
- RESEARCH PAPERS
- Dmitriy Itsykson, Vsevolod Oparin, Mikhail Slabodkin, Dmitriy Sokolov: *Tight Lower Bounds on the Resolution Complexity of Perfect Matching Principles*, *Fundamenta Informaticae* 145 (2016) 1-14.
 - Dmitry Itsykson, Alexander Okhotin, Vsevolod Oparin: *Computational and proof complexity of partial string avoidability*, MFCS 2016.
 - Vsevolod Oparin: “*Tight upper bound on splitting by linear combinations for pigeonhole principle*”, SAT 2016 [draft].
 - Dmitry Itsykson, Anna Malova, Vsevolod Oparin, Dmitry Sokolov: “*Tree-like resolution complexity of two planar problems*”. CoRR abs/1412.1124, 2014.
 - Dmitry M. Itsykson, and Vsevolod V. Oparin. “*Graph Expansion, Tseitin Formulas and Resolution Proofs for CSP*”. *Computer Science—Theory and Applications*. Springer Berlin Heidelberg, 2013. 162-173.
 - Vsevolod V. Oparin, Alexander L. Tulupyev. “*Synthesis of a joint graph with minimal number of edges: an algorithm formalization and a proof of correctness.*”. SPIIRAS Proceedings. 2009. Issue 11. Pp. 142-157 (in Russian).

ONLINE-COURSES	<ul style="list-style-type: none"> • Image and video processing: From Mars to Hollywood with a stop at the hospital, Duke University, G. Sapiro • Machine Learning, Stanford University, A. Ng.
INTERNSHIP	<p>TTIC. Research on approximation algorithms with Yury Makarychev. Winter and spring of 2015.</p>
GRANTS AND AWARDS	<ul style="list-style-type: none"> • Participant of Russian Foundation for Basic Research (RFBR) grants <ul style="list-style-type: none"> – 12-01-31239 “Nonclassical proof system and algorithms” (2012-2013). • Winner of Tatarstan team-based programming contest 2008. • Fourth place at ACM-ICPC: NEERC 2007-2008 • Several diplomas of math and informatic school contests.
INDUSTRIAL EXPERIENCE	<ul style="list-style-type: none"> • JetBrains Meta developer, 2010-2012. • Facebook Intern as a Software Developer, 2015
TEACHING EXPERIENCE	<ul style="list-style-type: none"> • Lecturer for course “Data streaming algorithms” at Kazan Computer Science Center (2016) • Lecturer for course “Data streaming algorithms” at St. Petersburg Computer Science Center (2014) • Teaching assistant for Complexity and Foundations of cryptography course at St. Petersburg Computer Science Center (2013) • Teaching assistant for Algorithm and Data structures course at St. Petersburg Academic University (2012-2014) • Teaching assistant for C++ course at St. Petersburg Computer Science Center (2011-2014). • Math teacher in mathematical summer school for talented schoolchildren (2007,2009).
RELEVANT SKILLS	<p>Programming Languages:</p> <ul style="list-style-type: none"> • C++ • Java
LANGUAGES	<ul style="list-style-type: none"> • Russian: native • English: upper intermediate
STUDENT SCHOOLS	<ul style="list-style-type: none"> • (Participant) Center for MAssive Data ALGOarithmics Summer School (MADALGO). Aarhus, Denmark, 2015. • (Participant) Center for MAssive Data ALGOarithmics Summer School (MADALGO). Aarhus, Denmark, 2013. • (Participant) Microsoft School on ALgorithms for MAssive DATA (ALMADA). Moscow, Russia, 2013. • (Participant) CSEDays. Theory 2013 Ekaterinburg, Russia, 2013 • (Participant with talk) The 8th International Computer Science Symposium in Russia Ekaterinburg, Russia, 2013 • (Participant with talk) Franco-Russian workshop on Algorithms, complexity and applications 2013 (ACA2013). Moscow, Russia, 2013 • (Participant) 18th Estonian Winter School in Computer Science (EWSCS). Palmse, Estonia, 2013

- (Participant) [Russian Finnish Symposium on Discrete Mathematics \(RuFiDiM\)](#).
Turku, Finland, 2012
- (Participant and organizer) [Joint Advanced Student School. Design of Efficient String Algorithms](#).
St. Petersburg, Russia, 2012
- [The 6th International Computer Science Symposium in Russia](#) St. Petersburg,
Russia, 2011
- [Fall school of Logic & Complexity with emphasis on proof complexity](#).
Prague, Czech Republic, 2011.
- [Petrozavodsk SU training camp](#) Petrozavodsk, Russia, 2007, 2008, 2011.
- [Microsoft Data Structures and Algorithms School \(MIDAS\)](#).
St. Petersburg, Russia, 2010.