

# Slavomír Hanzely

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EDUCATION	<b>Faculty of Mathematics, Physics and Informatics, UK,</b> Computer Science 95 credits in 1st year (official max. number - 90, including 2nd, 3rd a master's courses) 70 credits in the 2nd year (not including two unofficially passed master's courses in Computer Science and one unofficially passed master course in Mathematics) This semester I am except for mandatory courses unofficially attending 10 courses <sup>1</sup> (3 bachelor's courses in Mathematics, 5 master's courses in Computer Science and 2 master's courses in Mathematics)	2016-present
	<b>Gymnázium Jána Adama Raymana, Prešov</b> Graduation (Maturita) in 6 subjects (only 4 are compulsory), passed with best grades	2013-2016
	<b>Coursera</b> (during high school) Machine learning, Calculus (1, 2), Learning how to learn, Introduction to Psychology	
ACHIEVEMENTS	<a href="#">Vojtěch Jarník Competition</a> 2017: <b>8-10th place</b> in category 1 (first place within Czech and Slovak contestants)	
	<a href="#">Mathematical Olympiad</a> 2016: <b>3rd place</b> on the national round, category A (winner) Participation on <b>International Mathematical Olympiad</b> (IMO) 1st place on regional round, category A 2015: 18-20th place ( <b>bronze medal</b> ) on Middle European Mathematical Olympiad (MEMO) 2014: 1st place on regional round, category B 2013: 1st place on regional round, category C Participation on Czech-Polish-Slovak match junior (CPSJ) - 3rd place within Slovak contestants	
	<a href="#">Olympiad in Computer Science</a> 2016: 1st place on regional round, category A 2015: 2nd place on regional round, category B	
WORKING EXPERIENCES	<b>Mathematical Olympiad</b> <ul style="list-style-type: none"><li>marking solutions at the national round of Mathematical Olympiad (twice to this day)</li><li>organizing one day at the selection camp for International Mathematical Olympiad - creating problem set and marking the solutions (twice to this day)</li></ul> <b>Trojsten</b> - volunteering <ul style="list-style-type: none"><li>marking solutions of the correspondent competitions KMS, KSP and iKS (approximately 600 solutions)</li></ul>	

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<sup>1</sup>Category Theory, Graph Theory, Combinatorial Structures, Markov Processes, Probability Theory, Selected Topics in Data Structures, Selected Topics in Algebra, Matrix Calculus, Mathematical Analysis(3), Unstructured Talks on Structures: Chapters in Mathematics for Computer Scientist

- organizing camps for talented high school students in Mathematics and Computer Science - up to this day, I have organized 8 camps (3 of them as the main organizer), next one is being prepared.
- lecturing 29 lectures (including a half-day lecture on the camp iKS)

## PROJECTS

### **Stochastic Algorithms for Convex Feasibility and Optimization with Many Constraints** (Supervisor: [Peter Richtárik](#))

In this project, I was testing algorithms for solving convex feasibility problem (finding a point sufficiently close to complicated convex set) and SAGA algorithm for empirical risk minimization (finding a minimum of a complicated function satisfying a large set of constraints).

Also, parameter tuning was included, I was trying to find the best parameters in practice and compare them to the optimal parameters provided from the theory.

I visited [King Abdullah University of Science and Technology](#) for 39 days in order to work on this project.

You can find a project report [here](#).

## CONFERENCE PARTICIPATION

### **Optimization and Big Data conference**

The conference devoted to show what ideas (in this field) are currently being researched.

### **ReactiveConf 2017**

Conference devoted to web technologies.

## SKILLS

### Programming

- advanced in Haskell, C/C++, Julia, Java, Python,  $\text{\LaTeX}$ , Assembler
- basics Octave
- Linux

## HOBBIES

### Sport

- ultimate frisbee  
participation on European Youth ultimate Championship (in Neederland) - representing Slovak national team  
participation on European Youth ultimate Cup (in Hungary) - representing Slovak national team
- in past: ice-hockey, floorball, karate