Slavomír Hanzely

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EDUCATION

Faculty of Mathematics, Physics and Informatics, UK, 2016-present
Computer Science (3rd year undergraduate student)
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)
Passed all bachelor exams in advance and with best grades (only bachelor thesis remains to be done).
This semester I am unofficially attending (due to high amount of credits) 10 courses[1] (3 bachelor's courses in Mathematics, 5 master's courses in Computer Science and 2 master's courses in Mathematics).

Gymnázium Jána Adama Raymana, Prešov 2013-2016
Graduation (Maturita) in 6 subjects (only 4 are compulsory), passed with best grades

Coursera (during high school)
Machine learning, Calculus (1, 2), Learning how to learn, Introduction to Psychology

ACHIEVEMENTS

Vojtěch Jarník Competition
2017: **8-10th place** in category 1 (first place within Czech and Slovak contestants)

Mathematical Olympiad
2016: **3rd place** on the national round, category A (winner)
Participation on **International Mathematical Olympiad** (IMO)
1st place on regional round, category A
2015: 18-20th place (**bronze medal**) 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

Olympiad in Computer Science
2016: 1st place on regional round, category A
2015: 2nd place on regional round, category B

WORKING EXPERIENCES

Mathematical Olympiad

- marking solutions at the national round of Mathematical Olympiad (twice to this day)
- organizing one day at the selection camp for International Mathematical Olympiad - creating problem set and marking the solutions (twice to this day)

Trojsten - volunteering

- marking solutions of the correspondent competitions KMS, KSP and iKS (approximately 600 solutions)

[1] 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, 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