

Lukáš Poláček

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Education

- 2009–2015** ✓ **KTH Royal Institute of Technology, Stockholm, Sweden**
Researcher in a group of Johan Håstad. Main areas of interest were approximation algorithms and inapproximability. Gained a licentiate degree in 2015 with a thesis entitled [Efficient Use of Exponential Size Linear Programs](#).
- 2004–2009** ✓ **Comenius University in Bratislava, Slovakia**
Master's degree in Computer Science, with honours.

Academic Achievements

- Awards**
- ✓ *November 2006*: Rector's award for representing school
 - ✓ *July 2009*: Rector's award for very good academic results during studies
 - ✓ *Google Code Jam 2006, New York*, 76th place out of 20 000 registrants
 - ✓ *14th International Mathematics Competition 2007, Blagoevgrad, Bulgaria*, second prize (87th place out of 249 contestants)
 - ✓ *TopCoder Algorithm Competitions*, achieved rating 2676 in March 2009 (67th place out of 7 327 active members)
 - ✓ *ACM ICPC World Finals 2010, China*, 12th place (bronze medal) out of 7 000 teams from about 2 000 universities (with Ulf Lundström and Chen Xing)
 - ✓ *Challenge 24, Hungary*, 2nd place out of 200 teams (with Gunnar Kreitz and Marcus Isaksson)

Employment History

- 2012+** ✓ Backend developer for Spotify, 20% of my time in 2012–2014, full-time since 2015. Developing our gateway services and core infrastructure libraries. Includes on-call rotations and SRE work.
- 2011+** ✓ Organizer of various programming contests. Head of jury for Nordic and British Championships in Programming 2013–2015. I was managing a team of volunteers for a couple of months. Around 1 100 students from 35 universities participate in the championships.
- 2006–2015** ✓ Teaching and coaching students. Helping secondary school students prepare for International Olympiad in Informatics. I was a member of Committee of the Slovak Olympiad in Informatics between 2006 and 2010. In Sweden, I was a coach for the teams competing in the programming contest ACM ICPC for KTH.

- 2007–2009** ✓ C# programmer in 6COM s.r.o., Bratislava. Doing all types of development from backend to frontend.

Academic Publications

- 2012** ✓ Lukáš Poláček, Ola Svensson: Quasi-Polynomial Local Search for Restricted Max-Min Fair Allocation. 39th International Colloquium on Automata, Languages and Programming (ICALP) 2012.
- 2014** ✓ Christos Kalaitzis, Aleksander Mądry, Alantha Newman, Lukáš Poláček and Ola Svensson: On the Configuration LP for Maximum Budgeted Allocation. The 17th Conference on Integer Programming and Combinatorial Optimization 2014.

Miscellaneous

- 2014** ✓ My blog post [How to shuffle songs?](#) for Spotify has been read about 70 000 times.
- 2015+** ✓ I have contributed to the open-source software obnam with patches and bug hunting.

Additional Skills

- Languages** ✓ Fluent in **Slovak** (mother tongue), **English** and **Swedish**. Intermediate in **German**.
- Computers** ✓ Favourite programming languages: C++ for competitions; C#, Python and ZSH for everything else. I play with Haskell for fun.
- ✓ Git, Z shell, SQL, L^AT_EX, Vim, GNU/Linux, XHTML/CSS

Interests

- Orienteering** ✓ Member of Orienteering Club in Pezinok 1994–2009, member of Centrum OK Stockholm since 2010.
- Ultimate frisbee** ✓ Member of Outsiterz Ultimate Team in Bratislava 2007–2009.
- Other sports** ✓ Ski touring, hiking, swimming.