

experience

Google, Inc., MOUNTAIN VIEW, CALIFORNIA (full-time, team of ~10) Oct '14–Present
Software Engineer - Search Serving Backend - Improving result quality and cutting costs.

Experience with: C++, Distributed Systems. *Responsibilities:* Reimplementing web-search query flow; re-designing our per-query statistical model to cut cost; choosing new document sort order; creating environment to test such setups; analyze cpu/memory/flash/latency/result-quality tradeoffs. Designed and developed novel encoding schemes to cut index size, improved one of Googles hottest loops by 10%; playing with SSE. Quality cluster oncall rotation used by hundreds daily; hosted summer technical intern; conducted 50 interviews; received 6 referral bonuses. Altogether, saved Google dozens of times my salary annually.

Black Swan Rational s.r.o., BRATISLAVA, SLOVAKIA (~40h/m, team of four) Dec '13–Apr '14
Part-time Junior Data Mining Analyst

Experience with: SciKit, Python, Machine Learning, Unix Shell

VacuumApps s.r.o., BRATISLAVA, SLOVAKIA (~50h/m, team of eight) Nov '13–Jan '14
Part-time Dart Developer. Developing and using custom Dart framework clean-dart

Experience with: Google Dart, Facebook React, Event-Based Prog., Algorithms & Data Structures

EEA s.r.o., BRATISLAVA, SLOVAKIA (~40h/m, team of two) Oct '11–Nov '12
Part-time Java Developer. Developing plugins for JIRA, Servicing existing products

Experience with: Atlassian JIRA, Java, Groovy, Google Gadgets, jQuery, C

Trojsten NGO, BRATISLAVA, SLOVAKIA (~30h/m, group of 50) Sep '09–Jun '14

Volunteer educator: Co-organise competitions and camps for talented high school students in mathematics

tech skills

(5-expert,
1-beginner)

Languages: C++[4], Java[3], Python[2], PHP[2], SQL[2], LaTeX[2], Haskell[1]

Methodologies: Algorithms & Complexity[4], Distributed Systems[3], Machine Learning[3]

Frameworks: SciKit[1], OpenGL[1] Atlassian JIRA[2],

Tools: Unix Shell[2], Git[2], Vim[2], Gnuplot[1] Octave[1], R[1]

achievements

Team 19th & 21st at ACM ICPC Central Europe Regional Contest, Wroclaw & Krakow, Poland 2009 & 2013

Individual 24th & 25th at Vojtech Jarnik IMC, Olomouc, Czech rep. 2011 & 2010

Honorable mention from International Mathematical Competition, Blagoevgrad, Bulgaria 2011

Acknowledgement for successful representation of Slovakia by *President of Slovakia* 2010

Bronze medal (78th place) from International Olympiad in Informatics, Plovdiv, Bulgaria 2009

Honorable mention from International Olympiad in Mathematics, Bremen, Germany 2009

Bronze medal (17th place) from Middle European Mathematical Olympiad, Olomouc, Czech rep. 2008

education

COMENIUS UNIVERSITY, BRATISLAVA, SLOVAKIA Sep '09–Aug '14

Bachelor and Masters in Computer Science, Graduated with *GPA* 3.6

MS. Thesis: Analysis of Generalized Recirculation-based Learning Algorithm in Bidirectional Neural Network

BS. Thesis: Anonymity in computer networks using Onion routing (in Slovak)

UNIVERSITY VAN AMSTERDAM, AMSTERDAM, NETHERLANDS Jan '13–Jul '13

Exchange studies with specialization in Artificial Intelligence. Finished with *GPA* 3.75

personal

Sports: Rock climbing, Ultimate Frisbee (been to worlds), Chess (been to team Europeans), Backpacking (Mt. Whitney, Muhabura, Triglav, Galdhoppigen). **Travel:** Visited 40 countries across 4 continents.