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Education

DPhil in Computer Science, University of Oxford, United Kingdom (2014–present)

MSc in Computer Science, Comenius University in Bratislava, Slovakia (2012–2014)

BSc in Computer Science, Comenius University in Bratislava, Slovakia (2009–2012)

Internships

IBM Research in Zurich, Switzerland (July–September 2015)

Google in Mountain View, California (July–October 2013)

Google in Zurich, Switzerland (June–September 2012)

Google in Zurich, Switzerland (July–September 2011)

Publications

Journal articles

1. On Planar Valued CSPs (with S. Živný)
Journal of Computer and System Sciences, Volume 87, pages 104–118, 2017 [DOI]
2. A Galois Connection for Weighted (Relational) Clones of Infinite Size (with S. Živný)
ACM Transactions on Computation Theory (TOCT), Volume 8, Issue 3, pages 9:1–9:21, 2016 [DOI]

Papers in conference proceedings

1. The Complexity of Boolean Surjective General-Valued CSPs (with S. Živný)
42nd International Symposium on Mathematical Foundations of Computer Science, MFCS 2017, August 21–25, 2017 – Aalborg, Denmark, pages 4:1–4:14, 2017 [DOI]
2. On Planar Valued CSPs (with S. Živný)
41st International Symposium on Mathematical Foundations of Computer Science, MFCS 2016, August 22–26, 2016 – Kraków, Poland, pages 39:1–39:14, 2016 [DOI]
3. A Galois Connection for Valued Constraint Languages of Infinite Size (with S. Živný)
Automata, Languages, and Programming – 42nd International Colloquium, ICALP 2015, Kyoto, Japan, July 6–10, 2015, Proceedings, Part I, pages 517–528, 2015 [DOI]

Theses

Advice Complexity of Online Algorithms (master's thesis)

An AI Player for Dominion, the Board Game (bachelor's thesis, in Slovak)

Teaching

Introduction to Formal Proof, college tutor (Trinity term 2017)

Imperative Programming I, college tutor (Hilary term 2017)

Design and Analysis of Algorithms, practicals demonstrator (Hilary term 2016)

Advanced Data Structures and Algorithms, class tutor and marker (Hilary term 2015)

Competitive programming

Awards

31st place at Google Code Jam 2014, Round 3

bronze medal (12th place) at the ACM-ICPC World Finals 2014 (with T. Belan and J. Hozza)

27th–47th place at the ACM-ICPC World Finals 2013 (with T. Belan and V. Boža)

silver medal (47th place) at the International Olympiad in Informatics 2009

silver medal (8th place) at the Central-European Olympiad in Informatics 2008

Organizing

Internet Problem Solving Contest (2010, 2011, 2013–2015)

Correspondence Seminar in Programming (2009–2014)

Central-European Olympiad in Informatics 2010