Viktor Toman

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PERSONAL INFORMATION

Born: 10. July 1993 in Nové Zámky, Slovakia
Nationality: Slovak

EXPERIENCE

Software Engineer at **Google**, Zürich, Switzerland — Nov 2021 – present
- SafeSearch
- Advisors: Sergey Sudakov, Christian von Essen

Research Intern at **Google**, Zürich, Switzerland (remote) — Aug 2020 – Nov 2020
- Machine Learning in Music
- Advisors: Anna Goralska, Félix de Chaumont Quitry

Research Intern at **Google**, Mountain View, California, USA — Jul 2019 – Oct 2019
- Machine Learning in Higher-Order Theorem Proving
- Advisors: Kshitij Bansal, Markus Rabe

Research Intern at **Google**, Mountain View, California, USA — Jul 2018 – Oct 2018
- Machine Learning in Higher-Order Theorem Proving
- Advisors: Sarah Loos, Christian Szegedy

EDUCATION

PhD at **IST Austria**, Klosterneuburg, Austria — Sep 2016 – Oct 2021
- Computer Science – Formal Methods
  - Verification of concurrent programs, Symbolic model checking
- Advisors: Krishnendu Chatterjee, Andreas Pavlogiannis

Mgr at **Masaryk University**, Brno, Czech Republic — Sep 2014 – Jun 2016
- Computer Science – Parallel and Distributed Systems
  - Graduated with honours, CGPA 1.00, Dean's award

Bc at **Masaryk University**, Brno, Czech Republic — Sep 2011 – Jun 2014
- Computer Science – Mathematical Informatics
  - Graduated with honours, CGPA 1.34, Dean's award

PUBLICATIONS

T. L. Bui, K. Chatterjee, T. Gautam, A. Pavlogiannis, VT. — OOPSLA 2021
The Reads-From Equivalence for the TSO and PSO Memory Models. [pdf] [C++]

P. Agarwal, K. Chatterjee, S. Pathak, A. Pavlogiannis, VT. — CAV 2021
Stateless Model Checking under a Reads-Value-From Equivalence. [pdf] [C++]

K. Bansal, C. Szegedy, M. N. Rabe, S. M. Loos, VT. — arXiv
Learning to Reason in Large Theories without Imitation. [pdf]

K. Chatterjee, A. Pavlogiannis, VT. — OOPSLA 2019
Value-centric Dynamic Partial Order Reduction. [pdf] [C++]

P. Ashok, T. Brázdil, K. Chatterjee, J. Křetínský, C. H. Lampert, VT. — QEST 2019
Strategy Representation by Decision Trees with Linear Classifiers. [pdf] [Python]

K. Chatterjee, M. Henzinger, V. Loitzenbauer, S. Oraee, VT. — CAV 2018
Symbolic Algorithms for Graphs and MDPs with Fairness Objectives. [pdf] [C++]

T. Brázdil, K. Chatterjee, J. Křetínský, VT. — TACAS 2018
Strategy Representation by Decision Trees in Reactive Synthesis. [pdf] [Java]

[*CV last update: October 2022*]