

Filip Bártek

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📍 Prague, Czech Republic

EDUCATION

Czech Technical University in Prague

PhD 2019–2025 (expected)

Thesis: Machine Learning for Saturation-Based Theorem Proving

Charles University

Mgr. – Master of Theoretical Computer Science 2012–2015

Thesis: Minimum representations of Boolean functions defined by multiple intervals

Grade: Excellent

Masaryk University

Bc. – Bachelor of Mathematical Informatics 2008–2012

Thesis: Rabin Games on Finite Graphs

SELECTED PUBLICATIONS

- Filip Bártek, Karel Chvalovský, and Martin Suda. Regularization in Spider-Style Strategy Discovery and Schedule Construction. IJCAR 2024.
- Filip Bártek and Martin Suda. How much should this symbol weigh? A GNN-Advised Clause Selection. LPAR 2023.
- Filip Bártek and Martin Suda. Neural Precedence Recommender. CADE 2021.

PROJECT

Machine learning for saturation-based theorem proving 2020–2022

- Student Grant Competition of CTU

INTERNATIONAL RESEARCH AND STUDY EXPERIENCE

University of Innsbruck, Austria

Research visit 2022

AutoML Fall School, Freiburg, Germany

Summer school 2022

Joint EurAI Advanced Course on AI, TAILOR Summer School, Barcelona, Spain

Summer school 2022

University of Ljubljana, Slovenia

Erasmus student exchange programme 2014

CERN Summer Student Programme, Geneva, Switzerland

Internship and summer school 2013