

Benjamin Kiesl

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GitHub: <https://github.com/benjaminkiesl>

Programming Languages: C++, Java, C#

EDUCATION

TU Wien, PhD in Computer Science, GPA 1.0 (in Austria, 1 is best and 5 is worst) 03/15 to 03/19

Title of Thesis: *Structural Reasoning Methods for Satisfiability Solving and Beyond*

TU Wien, MSc in Computational Intelligence, GPA 1.2 10/11 to 01/15

University of Applied Sciences Hagenberg, BSc in Media Technology, GPA 1.2 10/08 to 07/11

EXPERIENCE

Postdoc, CISPA Helmholtz Center for Information Security, Saarbrücken From 03/19

Created and verified a formal model of the security protocol WPA2. Co-authored three research papers and a handbook article. Supervised two students.

Research Assistant, TU Wien, Institute of Logic and Computation, Vienna 03/15 to 02/19

Co-authored nine conference papers and two journal papers in the areas of automated reasoning and mathematical logic, leading to four best paper awards (see below).

Software Engineer (C++), **sofasession (startup)**, Vienna 02/14 to 02/15

Contributed to the development of an audio-streaming tool: Implemented, for instance, a digital audio mixer and an interface between the tool and a web app.

Internships: Software Engineering (Java), **IBM**, Vienna 04/11 to 07/11 and 07/12 to 09/12

Internships: Software Engineering (C#), **eworx**, Upper Austria 07/09 to 08/09 and 08/10 to 09/10

AWARDS

- Overall **four best paper awards** for research papers published at the conferences IJCAR 2018, CADE 2017 (two awards), and HVC 2017.
- **Best paper nomination** at TACAS 2019.
- **Excellence scholarships** of both TU Wien and the University of Applied Sciences Hagenberg.
- **Marshall Plan scholarship** of the Austrian Marshall Plan Foundation.

SCIENTIFIC ACTIVITIES

- **Program committee member** for the following scientific conferences: IJCAI-PRICAI 2020, AAAI 2020, ECAI 2020, TACAS 2020, SAT 2020, CADE 2019, SYNASC 2019;
- **Two research visits at the University of Texas at Austin**, Collaboration with Marijn J.H. Heule, 01/2017 to 05/2017 and 02/2018 to 04/2018
- **List of publications and links to papers:** <https://benjaminkiesl.github.io>