Benjamin Kiesl

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GitHub: https://github.com/benjaminkiesl

Programming Languages: C++, Java, Python, 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 Computer Science, 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

Software Developer, **SAP Labs**, Munich   From 08/20
Investigating new technologies and building prototypes of innovative software solutions
based on cloud-native technologies and techniques from statistics and machine learning.

Postdoc, **CISPA Helmholtz Center for Information Security**, Saarbrücken   03/19 to 07/20
Performed research on the formal analysis of security protocols (WPA2 and Signal).
Co-authored five scientific 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 Developer (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 in Software Development (Java), **IBM**, Vienna   04/11 to 07/11 and 07/12 to 09/12

AWARDS

- Overall **four best paper awards** for research papers published at the scientific 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: AAAI 2021, IJCAI 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 (now at CMU), 01/2017 to 05/2017 and 02/2018 to 04/2018
- **List of publications** and **links to papers**: https://benjaminkiesl.github.io