

Philip Heltweg

Alferdingweg 10, 46348 Raesfeld, Germany

☎(+49) 176 47 555 77 5 | ✉pheltweg@gmail.com | 🌐www.rhazn.com

Education

M.Sc. in Practical Computer Science

UNIVERSITY OF HAGEN

Hagen, Germany

Apr. 2020 - Oct. 2021

- Passed with distinction, achieving the best possible grade of 1.0
- Thesis title: Implementing a Structured Approach to Belief Revision by Deterministic Switching Between Total Preorders
- Student assistant at the Chair of Knowledge-Based Systems (Prof. Beierle)

B.Sc. in Information Systems

UNIVERSITY OF MÜNSTER

Münster, Germany

2009 - 2012

- Thesis title: Social Reading in the Context of Research Publications
- Awarded the Oliver Wyman-AlumniUm-Junior-Award for outstanding students
- Student assistant at the Databases and Information Systems Group (Prof. Vossen)

COURSES

2020 **Machine Learning by Andrew Ng**, Stanford University Online, 60h

Coursera.org

Work Experience

Founder

ISSELTHAL INDUSTRIES UG

Raesfeld, Germany

Apr. 2019 - current

- Implementation of own software projects
- Freelance: Full stack software engineering
- Freelance: Product development

Senior Product Owner

ESL GAMING GMBH

Cologne, Germany

Feb. 2018 - Apr. 2019

- Supervised new products from initial pitch to market entry
- Worked with management and external partners like AT&T, Intel, and Valve Corporation
- Coordinated workload and created visibility across multiple teams
- Planned project budgets

Lead Developer ESL Mobile

ESL GAMING GMBH

Cologne, Germany

Mar. 2015 - Feb. 2018

- Hired developers and designers to establish the mobile development team
- Published two cross-platform apps (ESL Play App, ESL Event App)
 - 100k+ monthly active users
 - Average rating 4*
- Planned software architecture and infrastructure spending
- Led code reviews and 1on1s with team members

Full Stack Software Developer

ESL GAMING GMBH

Cologne, Germany

Jan. 2013 - Mar. 2015

- Transitioned legacy PHP4 platform to API based architecture in Java
- Worked on matchmaking service and tournament system for 9+ million registered users
- Experience in agile/scrum development with multiple releases daily

Research Publications

Papers at Peer-Reviewed Workshops

Kai Sauerwald and Philip Heltweg. “On Using Model Checking for the Certification of Iterated Belief Changes”. In: *Proceedings of the 7th Workshop on Formal and Cognitive Reasoning co-located with the 44th German Conference on Artificial Intelligence (KI 2021), Berlin, Germany, September 28, 2021*. Ed. by Christoph Beierle et al. Vol. 2961. CEUR Workshop Proceedings. CEUR-WS.org, 2021, pp. 23–33. URL: http://ceur-ws.org/Vol-2961/paper_3.pdf.

Kai Sauerwald, Philip Heltweg, and Christoph Beierle. “Certification of Iterated Belief Changes via Model Checking and its Implementation”. In: *19th International Workshop on Non-Monotonic Reasoning (NMR 2021), Hanoi, Vietnam, November 2-5, 2021, Proceedings*. Ed. by Leila Amgoud and Richard Booth. 2021.

Software

Philip Heltweg. *logic-components*. 2021. DOI: 10.5281/zenodo.4742731. URL: <https://github.com/rhazn/logic-components>.

Philip Heltweg. *logic-ts*. 2021. DOI: 10.5281/zenodo.5078529. URL: <https://github.com/rhazn/logic-ts>.

Presentations

7th Workshop on Formal and Cognitive Reasoning

virtual (Berlin)

WORKSHOP PRESENTATION

September 28th, 2021

- Presented Sauerwald and Heltweg, “On Using Model Checking for the Certification of Iterated Belief Changes”

19th International Workshop on Non-Monotonic Reasoning

virtual (Hanoi)

WORKSHOP PRESENTATION

November 5th, 2021

- Presented Sauerwald, Heltweg, and Beierle, “Certification of Iterated Belief Changes via Model Checking and its Implementation”