

Philip Heltweg

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Education

M.Sc. in Practical Computer Science

UNIVERSITY OF HAGEN

Hagen, Germany

SS 2020 - current

- Estimated completion in October 2021
- 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

Peer-reviewed workshop papers

Kai Sauerwald and Philip Heltweg. “On Using Model Checking for the Certification of Iterated Belief Changes”. In: *7th Workshop on Formal and Cognitive Reasoning (FCR 2021), Berlin, Germany, September 27 - October 1, 2021, Proceedings*. Ed. by Christoph Beierle and Marco Ragni, Frieder Stolzenburg, and Matthias Thimm. (forthcoming). 2021.

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. (forthcoming). 2021.

Software

Philip Heltweg. *logic-components*. 2021. DOI: [10.5281/zenodo.4742731](https://doi.org/10.5281/zenodo.4742731). URL: <https://github.com/rhazn/logic-components>.

Philip Heltweg. *logic-ts*. 2021. DOI: [10.5281/zenodo.5078529](https://doi.org/10.5281/zenodo.5078529). URL: <https://github.com/rhazn/logic-ts>.