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

Papers at Peer-Reviewed Workshops

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`. URL: `https://github.com/rhazn/logic-components`.

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