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Education

PhD Student Erlangen, Germany

FRIEDRICH-ALEXANDER-UNIVERSITÄT ERLANGEN-NÜRNBERG

Dec. 2021 - current

- Thesis: Open Collaborative Data Engineering
- Scientific staff at the Professorship for Open-Source Software (Prof. Riehle)

M.Sc. in Practical Computer Science

Hagen, Germany

University of Hagen Apr. 2020 - Oct. 2021

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

B.Sc. in Information Systems

Münster, Germany

University of Münster 2009 - 2012

- Thesis: 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)

Work Experience

Scientific Staff Erlangen, Germany

FRIEDRICH-ALEXANDER-UNIVERSITÄT ERLANGEN-NÜRNBERG

Dec. 2021 - current

- Employed at the Professorship for Open-Source Software
- Working on JValue: Making open data easy, safe, and reliable

Founder Raesfeld, Germany

ISSELTHAL INDUSTRIES UG

ESL GAMING GMBH

Apr. 2019 - current

Cologne, Germany

Feb. 2018 - Apr. 2019

- Implementation of own software projects
- Freelance software-engineering and data science consulting

Senior Product Owner

• 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

Cologne, Germany

ESL Gaming GmbH

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*

ESL GAMING GMBH

- · Planned software architecture and infrastructure spending
- Led code reviews and 1on1s with team members

Full Stack Software Developer

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

OCTOBER 30, 2023 PHILIP HELTWEG · CV

Research Publications

Articles in Journals

Philip Heltweg and Dirk Riehle. "A Systematic Analysis of Problems in Open Collaborative Data Engineering". In: *Trans. Soc. Comput.* (Oct. 2023). DOI: 10.1145/3629040.

Articles in Conferences

Philip Heltweg and Dirk Riehle. "Challenges to Open Collaborative Data Engineering". In: *Proceedings of the 56th Hawaii International Conference on System Sciences*. Ed. by Tung X Bui. Hyatt Regency Maui, Jan. 2023, pp. 679–688. DOI: https://hdl.handle.net/10125/102714.

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, pp. 250–254. URL: https://nmr.cs.tu-dortmund.de/proceedings/NMR2021Proceedings.pdf#page=257.

Scientific Software

Philip Heltweg. logic-components. 2021. DOI: 10.5281/zenodo.4742731.

Philip Heltweg. logic-ts. 2021. DOI: 10.5281/zenodo.5078529.

Presentations

56th Hawaii International Conference on System Sciences

virtual (Maui)

Presenting Author

January, 2023

• Presented Heltweg and Riehle, "Challenges to Open Collaborative Data Engineering"

19th International Workshop on Non-Monotonic Reasoning

virtual (Hanoi)

PRESENTING AUTHOR

November, 2021

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

7th Workshop on Formal and Cognitive Reasoning

virtual (Berlin)

PRESENTING AUTHOR

September, 2021

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