

U!REKA CONNECTS

Learning Tool Development with many Students in four Semesters

E-Learning System Development, Self-assessment with Detailed Feedback, International Student Projects

Jens Liebehenschel

- 1 Practical relevance through international projects across semesters and degree programs
- 2 Introduction of very good Master students to teaching
- 3 Development of an innovative learning tool for algorithms and data structures



Core Team

Lecturer and product owner

Jens Liebehenschel

Master students

Edward Späth, Ibrahim Hayber, Stefan Kresovic, Tim Finmans



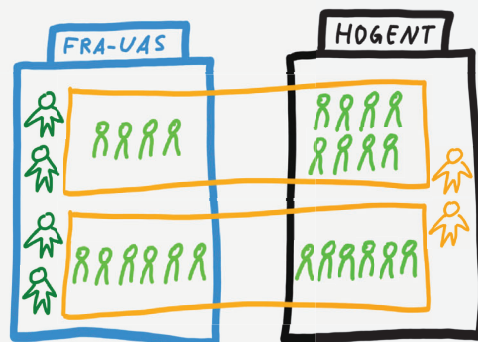
Master students' roles

- Participants in Master projects
- Lecturers in Bachelor projects in innovative team teaching format
- Special tasks like fix and take over work products of Bachelor students

Winter Term 2025/26

Collaboration with HOGENT

- Two Bachelor projects with 24 students in total
 - FRA-UAS: Four lecturers
 - HOGENT: Two lecturers
- Bachelor Projects Setup**
- 29.09. – 12.12.2025
 - Kickoff-week in Gent with team building, training, and intensive work
 - Then online collaboration



Winter 2024/25
Bring ideas to life

3



Summer 2025
Got it - let's go

1 2 3



Winter 2025/26
Coding hell

1 2 3



Summer 2026
Final countdown

1 2 3



Future Work
Beyond Algorithms
& Data Structures



Figures by the end of 2026

- About 80 contributors in 10 university projects
- More than 1200 exercises of various types, difficulty levels, partially with high variability



Jens Liebehenschel's website

www.fra-uas.de/liebehenschel



LISBON 2026

Project website

jensliebehenschel.github.io/ADLT



© Jens Liebehenschel
Portraits by Samuel Schön