

# Master's Projects 2017



KR Group

# KR Group (1)

- Native PostgreSQL implementation of a datalog solver  
(A. Šimko)
- Distributed evaluation of logic programs  
(A. Šimko)
- Higher-order interface for ontology editor as a Protégé plug-in  
(M. Homola & J. Klůka)
- Abductive Reasoning with Description Logics  
(M. Homola)

# KR Group (2)

- AI/Logic applications in computer games
  - Game state evaluation, NPC planning
  - Story telling (quest generation), Dialog systems
- Alexa/Google assistant interface for home automation
  - Cloud based broker, security,...
- Languages, frameworks
  - Asynchronous operations library for C++, diff based data structures, ...
- IoT, HW...

<http://dai.fmph.uniba.sk/~siska/temy/>

(J. Šiška)

# Matfyz.sk Team

Improving the courses.matfyz.sk e-learning platform:

- Student's profile data management  
(M. Homola)
- Implementation of code review functionality  
(M. Homola)
- Collaborative wiki-based tool for creating Mind Maps  
(Z. Kubincová)
- Emotional design in peer-review activities  
(Z. Kubincová)