Technische Hochschule Rosenheim

Modul - Introduction to AI - part II (AI2)

Bachelor Programme AAI

13 - Summary

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Agenda

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On the menu for today:

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Goals (formal)

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- Students know about problem domains, applications and foundations of artificial intelligence.
- Students know and understand the theoretical and algorithmic foundations of knowledge representation and reasoning, problem solving, and AI in general.
- Students learn to implement solutions for specific problems with Python.
- Students can analyze difficult subject-specific problems in a scientifically sound manner and understand complex interrelationships and implement them in software by selecting suitable methods.
- Students can evaluate and discuss ethical and social implications of their work in scope of AI.

Goals (unofficial)

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Students of AAI should definitely be able to ...

- ... write code in Python
- ... know about AI, ML and Deep Leaning
- ... understand ANN, NLP and Computer Vision
- ... use various approaches on AI challenges

Exam

- Exam date: 25.07 at 10am (room tbd!)
- 1 hand-written sheet (2 pages)
- Calculator (non-programmable)
- 75 min.

Summary

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Lessons learned today:

- Keyphrase Detection
- Intent/ Entity Extraction
- Speech Recognition
- Speech Translation

References

- A Review of Keyphrase Extraction (https://arxiv.org/pdf/1905.05044.pdf)
- Findings of the 2019 Conference on Machine Translation (http://www.statmt.org/wmt19/pdf/53/WMT01.pdf)
- Key2Vec: Automatic Ranked Keyphrase Extraction from Scientific Articles using Phrase Embeddings