

# CS 461 – ARTIFICIAL INTELLIGENCE

## HOMEWORK #6 (5% or 10 points)

Assigned: Wed Nov 25, 2020

Due: Wed Dec 16, 2020 \*\*14:00\*\*

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You must do this homework as a group and deliver a single product, as usual. Submit your homework to Moodle. Your TAs may send you further, specific instructions.

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In this assignment you are going to write an essay. The essay should be approximately 750 words.

First go to <https://aaai.org/Library/AAAI/aaai20contents.php>. There you'll see the entire contents of the page listed but we're only interested in the following (viz. AAAI Technical Tracks No. 1 through No. 7):

- No. 1 — AAAI Technical Tracks
  - AI and the Web
  - AI for Social Impact Special Track
  - Applications
- No. 2 — AAAI Technical Tracks
  - Cognitive Modeling
  - Cognitive Systems
  - Computational Sustainability
  - Constraint Satisfaction and Optimization
  - Game Playing and Interactive Entertainment
  - Game Theory and Economic Paradigms
- No. 3 — AAAI Technical Tracks
  - Heuristic Search and Optimization
  - Human-AI Collaboration
  - Humans and AI
  - Human-Computation and Crowd Sourcing
  - Knowledge Representation and Reasoning

- No. 4 — AAAI Technical Track
  - Machine Learning
- No. 5 — AAAI Technical Tracks
  - Multiagent Systems
  - Natural Language Processing
- No. 6 — AAAI Technical Tracks
  - Planning, Routing, and Scheduling
  - Reasoning under Uncertainty
  - Robotics
- No. 7 — AAAI Technical Track
  - Vision

Now, pick a paper from one of these technical tracks that you find both interesting and valuable.

Your essay must first summarize (needless to say, in your own words) what the paper is all about. Do this in clear, understandable, and informative sentences. Then you should review the paper. This means that you should explain, again in clear terms and using a good argument, why you like this article and why you think it is a noteworthy addition to the AI literature.

State the word count at the very end of your essay. Your essay should not have a title. Instead, it should specify the title, authors, and the DOI of the paper you've read, e.g.,

## An Empirical Study of Content Understanding in Conversational Question Answering

### Authors

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DOI:

<https://doi.org/10.1609/aaai.v34i05.6257>

(BTW, this stuff should not be included in the word count.) You must also submit the pdf of the paper along with your essay and highlight on it with a **yellow** brush the portions you regard especially important.