



BA/SA/MA:

Developing a Jass AI

Deep reinforcement learning has made headlines recently, beating the world best players in complex board games such as chess, Go and Shogi. More so, it also proved itself in card games, where the current state of the game is only partially observable, by beating the top players in no-limit Texas holdem poker. We are interested in the algorithms behind this success and ask the simple question: How good can we get at *Jassen*?

In this thesis we will build on top of our existing AI and try to develop an even stronger version. Check out what we have done so far here: jass.ethz.ch

Requirements: Strong motivation, programming skills, and basic knowledge of machine and deep learning as well as reinforcement learning.

Interested? Please contact us for more details!

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