

AI Programming – preparing for the module

If you are studying AI Programming next semester and you would like to do some preparation check out the advice below. Note that we are not recommending you go through the course materials in advance – these are better with some explanation so you will need to attend the seminars.

1. when you do puzzles or play games, think about your reasoning. Could you describe your thought processes in some kind of high level algorithm?
2. have a look at a few examples of Clojure to get an appreciation of its basic syntax, some examples are given in “Clojure from the ground up”
<https://aphyr.com/posts/301-clojure-from-the-ground-up-welcome>
3. download Netlogo (<http://ccl.northwestern.edu/netlogo/>), check out some of the work in the models library and try building some of your own models. NB: we do not use Netlogo in AIP but it will help you think differently about the nature of program code;
4. investigate some different languages (give them a quick overview, download them & try them out, whatever you have time for). Try...
 - Prolog – see <http://www.learnprolognow.org/> for a tutorial and <http://www.swi-prolog.org/> for free downloads (but note that I have not checked these versions)
 - Haskell – see <http://www.haskell.org>