Artificial Intelligence Programming Paradigms

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Who is who?

What to expect

- Very practical

- Learn by building

- Evaluation is task driven: There will be four tasks and one exercise

- No traditional exam, but defense of your tasks (code and report)

- Very steep learning curve and workload at the start of the academic year

Getting and setting up lisp

- Lispworks (Personal Edition)

  - http://www.lispworks.com/downloads

  - Easiest all-in-one solution

  - Available for windows, MAC OS X and linux

  - Restrictions: 5 hours a time and heap memory limit

Getting and setting up lisp

- Emacs + slime + lisp

- Follow the instructions at: http://emergent-languages.org/Babel2/index.html#installing_lisp

  - If you use windows we strongly encourage installing a linux (either native or through a virtual machine)

  - Check this for starting with emacs: http://emergent-languages.org/Babel2/emacs_lisp.html

Lisp pointers

- http://www.lispworks.com/documentation/HyperSpec/Front/index.htm

- Practical Common lisp: http://www.gigamonkeys.com/book/

- ANSI Common Lisp: Paul Graham

- Paradigms of AI Programming: Case Studies in Common Lisp