

Sebastien Vasey's Projects

Here are some things I have worked (or am currently working) on.

1 Projects done at EPFL

- My bachelor thesis, Synthesis for Rational Linear Arithmetic¹ investigates synthesis of code fragments from specifications written in the language of linear rational arithmetic.

2 System administration programs

I occasionally enjoy writing software to automate some non-trivial system administration tasks. These should work on any UNIX-like OS.

- Darwrap² is a backup program using Dar³, implementing differential backup, automated restoration, cryptographic signing, encryption, and some other things. This is what I use to backup all my data.
- Urpkg⁴ lets you install programs directly from source in a safe and undoable way.

3 Game programs

I like devising strategies for obscure board games, and then implement them. Here are two of my creations (joint work with Yann Schoenenberger) .

- Kinonk⁵ is a Pentominoes⁶ engine written in C++.
- Deep Pink⁷ is a Connect 5 (Gomoku⁸) engine written in C++.

4 Software usage notes

- How to do X with program Y⁹: Notes to myself, most often giving the exact command line invocation to do something special with a given software. Maybe they can be useful to somebody else...

¹http://svasey.org/projects/synthesis-rla/index_en.html

²http://svasey.org/projects/darwrap_en.html

³<http://dar.linux.free.fr/>

⁴http://svasey.org/projects/urpkg/index_en.html

⁵<http://kinonk.sourceforge.net>

⁶<http://en.wikipedia.org/wiki/Pentominoes>

⁷http://svasey.org/projects/deepink_en.html

⁸<http://en.wikipedia.org/wiki/Gomoku>

⁹http://svasey.org/projects/software-usage-notes/index_en.html

5 Various

- Old stuff¹⁰: Things I have worked on, and published here at some point, but now do not regard as especially interesting or inspiring.

¹⁰http://svasey.org/projects/old-stuff/index_en.html