

Peter Hosey's résumé

Profile

Programmer for Mac OS X and other UNIX-like environments, with 5½ years' experience in open-source. Excellent at working cooperatively with other people. Fluent in English, C, Objective-C, and Python.

Skills

Application programming interfaces

- Proficient in Cocoa (Mac OS X)
- Proficient in Core Foundation (Mac OS X)
- Proficient in Quartz (Mac OS X)
- Moderate knowledge of Core Image (Mac OS X)
- Moderate knowledge of POSIX APIs
- Readily adaptable to most C-based, Python-based, or Objective-C-based APIs

Programming languages

- C (ISO 9899:1999)
- Objective-C
- Python
- Adobe PostScript

Document/graphics languages

- Adobe PostScript
- XHTML 1.0–1.1
- HTML 4
- CSS 1 and 2

Other

- Knowledge of Unicode (an international text encoding)
 - Strong UI sensibilities, with keen sense of what works and what doesn't, and an ability to anticipate the user's reactions
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Previous experience

Developer on Adium, open-source multi-protocol instant-messenger client for Mac OS X

2003-12 to present

- Helped rewrite contact list drawing using Quartz, achieving a 2–3× (estimated) speed increase
- Redesigned `AIHTMLDecoder` class (converter between HTML and Cocoa styled text) and `AIKeychain` class (wrapper for Mac OS X's Keychain)

- Added strict-XHTML encoder to `AIHTMLDecoder` class, in addition to existing loose-HTML encoder

Developer on Growl, open-source user-notification system (displays a passive message when an application-defined event occurs)

- Designed Growl's API for Carbon-based applications
- Rewrote GrowlMail (plug-in for Apple Mail) for increased robustness

2004-06 (approx.) to present; Lead Developer since 2008-05-20
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Has written numerous programs to run on Mac OS X, including:

- CPU Usage: graphical indicator of current load on the user's processor(s)
- diff-colorize: command-line filter to colorize diff output for viewing on color terminals
- EasyHash: application to make it easy for users to obtain cryptographic hashes of a file
- IconGrabber: uses Icon Services to look up icons that are registered with the system; can save these icons as TIFF files
- ISO 8601 parser and unparser: code for Cocoa-based programs to translate between Cocoa NSDate objects and ISO 8601-formatted date and/or time strings
- LMX: library to parse XML-based documents backwards (used by Adium for reading the last few messages from chat transcripts)
- Localization Helper: developer tool to reveal text strings that are not yet localized
- Symbolicator: command-line utility to transform crash logs from Mac OS X applications to make them more readable

Wrote several programming/computer-related documents:

- Everything you need to know pointers in C
- A vi cheatsheet for Dvorak and QWERTY, for grayscale and color displays (inspired by another one)
- Hello World, cut four ways: a demonstration of good and bad implementations of Hello World

Education

- Home-schooled
- Self-taught

2009-05-31