

Peter Hosey's résumé

Profile

Programmer for macOS and other UNIX-like environments, with 13 years' experience in open-source. Thrives on working cooperatively and collaboratively with other people. Fluent in English, C, Objective-C, and Python.

Skills

Application programming interfaces

- Proficient in Cocoa (macOS application framework)
- Proficient in Quartz (macOS/iOS drawing framework)
- Moderate knowledge of Core Image (macOS/iOS image-filtering framework)
- Moderate knowledge of Core Animation (macOS/iOS)
- Moderate knowledge of POSIX APIs
- Readily adaptable to most C-based, Python-based, or Objective-C-based APIs

Programming languages

- C (ISO 9899:2011)
- Objective-C
- Swift
- Python
- Ruby
- Adobe PostScript
- OpenSCAD

Other

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

- Home-schooled
 - Self-taught
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Previous experience

QA engineer and integrator on Foundation in the Cocoa team at Apple

2014-04 to
present

- Was responsible for the overall health of both projects
- Screened, triaged, reproduced, and bisected incoming bugs
- Maintained unit tests and the build system project file
- Co-maintainer and UI engineer on the Cocoa team's Buildbot continuous integration system

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

2004-06 to 2011-08-04;
Lead Developer
from 2008-05-20
to 2011-08-04

- Rewrote GrowlMail (plug-in for Apple Mail) for robustness
- Screened bug report emails and filed and fixed confirmed bugs

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× (est.) speed increase
- Redesigned Adium's HTML encoder/decoder its wrapper for Mac OS X's Keychain
- Added strict-XHTML encoder to `AIHTMLDecoder` class, in addition to existing loose-HTML encoder

Has written numerous programs to run on macOS, 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
- ISO 8601 date formatter: code for Cocoa programs to translate to and from ISO 8601-formatted date and/or time strings (before this feature was added to Foundation)
- LMX: library to parse XML-based documents backwards (used by Adium for reading the last few messages from chat transcripts)

Wrote several programming/computer-related documents:

- Everything you need to know about pointers in C, an online booklet thoroughly, concisely, and clearly explaining pointers
- A vi cheatsheet for Dvorak and QWERTY, for grayscale and color displays (inspired by another one)
- Hello World, cut four ways: comparing good and bad implementations of Hello World