

# Peter Hosey's résumé

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## Profile

Programmer for Mac OS X and other UNIX-like environments, with 6 years' experience in open-source. Excellent at working cooperatively with other people. Fluent in English, C, Objective-C, and Python.

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## 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 and 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 user reactions
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## Previous experience

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

- Rewrote GrowlMail (plug-in for Apple Mail) for increased robustness
- Helped convert GrowlSafari from Mac OS X input manager bundle to Mac OS X application
- Routinely screens bug reports and files and fixes confirmed bugs

2004-06 to present; Lead Developer since 2008-05-20
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Developer on Adium, open-source multi-protocol instant-messenger client for Mac OS X

2003-12 to present
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- 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
  - Provides user support at official support email address
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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
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Wrote several programming/computer-related documents:

- Everything you need to know about 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
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## Education

- Home-schooled
  - Self-taught
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