

## JOEY PABALINAS

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<https://github.com/alyptik> – <https://alyp.tk>

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### OBJECTIVE

- The three things I value most in a position are challenging tasks, supplemental-learning encouragement, and not working in an echo chamber.
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### PROJECTS

- **CEPL (Author):** Interactive C (ISO/IEC 9899:2011) read-eval-print loop (REPL).  
<https://github.com/alyptik/cepl>
    - Allows choice of arbitrary compiler backend.
    - Uses GNU Readline/History for command history and incremental undo.
    - Uses LibELF to generate tab completion for shared library functions.
    - Supports Intel & ATT assembler and C source code output.
    - Tracks and outputs values of variables and expressions.
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### CONTRIBUTIONS

- **WeeChat (Contributor):** Extensible IRC client.
    - Contributed CMake fix for broken builds caused by split ncurses and tinfo.
    - <https://github.com/weechat/weechat/pull/1090>
  - **Mixxx (Contributor):** Open-source, cross-platform DJ software.
    - Contributed patch for Chromaprint library API change handling.
    - <https://github.com/mixxxdj/mixxx/pull/1073>
  - **Linux (Contributor):** Open-source OS kernel.
    - [crypto/testmgr](#): Corrected minor undefined behavior and reduced stack usage.
    - <https://github.com/torvalds/linux/commit/da1729ce4866be266575a114208c7d5350bf310d>
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### SKILLS

C	C++	Perl	Git Revision Control System
Python	Javascript	Java	POSIX Shell, Bash, and Zsh Scripting

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### EDUCATION

- 2012 – A.A. in Liberal Arts, Leeward Community College.
  - 2017 – B.S. in Computer Engineering (BS CE), University of Hawaii, Manoa.
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### REFERENCES

- Available upon request.