Derek Frank

Software Engineer

Permanent Address *(Willing to relocate)*	**E-Mail:** derekmfrank@gmail.com
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Marina Del Rey, CA 90292	**GitHub:** github.com/dmfrank
Cell: (310) - 707 - 5195	**BitBucket:** bitbucket.org/dmfrank

Technical Proficiency:

- **Self-starter:** Take initiative, eager and willing to learn, and creative problem solver.
- **Computer Networks:** Knowledgeable in computing networks (TCP/IP) and socket implementation.
- Experienced in machine learning, compiler design, and operating system design.

Projects:

- **Personal Website** (2013): Derekmfrank.com is a static website to host a portfolio, blog, and other personal information. Python, Django, HTML5, CSS.

Languages: *[Proficient]* C, C++, Java, Common Lisp, Python; *[Prior Experience]* Scheme, Perl, Lua, OCaml, Prolog

Technologies: HTML/CSS, Django, Octave, MATLAB, Vim, Emacs, Microsoft Office

Operating Systems: Linux/Unix, Mac OS X

Professional Strengths:

- Strong background in applied mathematics and general physics.
- Creative and inventive problem solving skills.
- Quick learner and able to apply new concepts quickly.
- Great work ethic, great interaction with others, and have excellent leadership.

Education:

University of California, Santa Cruz   **Sep 2008 – June 2012**

Bachelor of Science Degree in Computer Science (School of Engineering)

Courses Taken Include:

Artificial Intelligence	Operating Systems	Fundamentals of Compiler Design
Advanced Programming	Computer Networks	Computational Models
Computer Architecture	Computational Methods	Comparative Programming Languages

Course Projects Include:

- **Compiler** (2011): A compiler for a C-style minimal language. C, Flex (fast lexical analyzer generator), Bison.
- **Game Agent** (2012): A game agent for a game called Rock-Paper-Scissor Safari with implementation of machine learning. Common Lisp.
- **Shell** (2012): A minimal Bourne-like shell. C.

Experience:

General Employment, Woodland Hills, CA   **August 2011 – September 2011**

Administrative Assistant
Provided web advertisement and recruitment with use of HTML.
Maintained and organized computer database files along with hard copies.