

Derek Frank

Junior Software Engineer

Permanent Address (*Willing to relocate*)

3542 Via Dolce

Marina Del Rey, CA 90292

Cell: (310) - 707 - 5195

E-Mail: derekmfrank@gmail.com

Portfolio: derekmfrank.com/portfolio/

GitHub: github.com/dmfrank

BitBucket: bitbucket.org/dmfrank

Technical Proficiency:

- **Computer Networks:** Knowledgeable in computing networks (TCP/IP) and socket implementation.
- Experienced in machine learning, compiler design, and operating system design.

Projects:

- **Derekmfrank.com** (2013): A dynamic website to host a portfolio, blog, and other personal information. Python2, Django1.4, HTML5, CSS, SQLite3.

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

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

Operating Systems: Linux/Unix, Mac OS X

Professional Strengths:

- **Self-starter:** Take initiative, eager and willing to learn, and creative problem solver.
- 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.

Created spreadsheets in Excel.

RMD Group Inc., Los Angeles, CA

July 2009 – August 2009

Product Specialist

- Promoted FORD brand vehicles to the general public.
- Direct marketing
- Event marketing

Albertsons, Marina del Rey, CA

Mar 2008 – Sep 2008

Courtesy Clerk

- Interacted with and provided service for customers to improve overall customer satisfaction.
- Maintained store.

Hollister Co., Los Angeles, CA

Sep 2007 – Mar 2008

Sales Representative

- Interacted with customers to improve overall customer satisfaction.
- Acquired sales promotion techniques.
- Handled store transactions.
- Maintained store appearance.