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.