

# David Emerson

demerson5@gmail.com ~ 310-936-0512 ~ Los Angeles, CA 90007

Seeking a full-time or contract opportunity in Software Development or Software Product Management

## Strengths

- ✿ **Team building:** skilled at recognizing people's talents, and nurturing them to grow
- ✿ **Collaborative design and decision making:** good listener, effective discussion leader
- ✿ **Communication:** ability to fluidly communicate complex topics with technical and non-technical people
- ✿ **Balance:** keep a genuine, calm smile while enthusiastically producing exceptional products

## Languages and Tools

- ✿ **Bash, Linux:** 10+ years SysAdmin responsibilities for 5-10 installations
- ✿ **C:** 2+ years, customizing existing Open Source projects and studying code written in C
- ✿ **Git:** 8+ years, source code management
- ✿ **GitLab, JIRA:** Trained and comfortable
- ✿ **Javascript:** 1+ years, wrote custom functions and debugged template functions, including jQuery, AJAX
- ✿ **MySQL:** 2+ years, designed and implemented databases for several projects
- ✿ **Object-Oriented Programming:** 10+ years, extensive experience in Object Modeling, Polymorphism, Interfaces, Generics/Templates, Multi-threading, and other features shared by powerful OOP languages
- ✿ **PHP, HTML, CSS:** 20+ projects, ranging from adding components to building entire sites
- ✿ **Python:** 1+ years, hobby projects and exercises

## Experience

*Sep 2008 – Mar 2017: AngelBase. Software developer and product manager*

- ✿ Managed software development life cycle
  - ☛ Led requirements, architecture and design meetings
  - ☛ Led code reviews
  - ☛ Implemented Git and GitLab for version control and issue tracking
- ✿ Managed transition from command-line to GUI application
  - ☛ Led team-based design and implementation of lattice-centric diagram editor
  - ☛ Oversaw integration of widget set (fpGUI) and Anti-Grain Geometry framework (AGGPas)
  - ☛ Utilized OOP Interfaces for modular design, enabling support for alternate front-ends
- ✿ Managed back-end data storage system and API
  - ☛ Implemented efficient data types, tripling execution speed
  - ☛ Standardized calls to data store, improving coding efficiency and elegance
  - ☛ Used *sed* scripting to automatically refactor existing codebase to conform to new API
  - ☛ Championed and oversaw implementation of modular data storage design. Board members agreed that the result will facilitate important business opportunities
- ✿ Responsible for Corporate Accounting: created and maintained ledgers for several corporate entities

## Interests

Information Security, Accounting, Economics, Law, Bicycling, Meditation and Yoga, Dancing, Classical Guitar, Choral Singing, Vedic Chanting, Camping, Cooking, and Teaching of all sorts

## Education

Bachelor of Science in Physics, UCLA, 2001