

# Angelo DiNardi

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## Objective

To secure a position in software engineering or project management where I may use my experience and education to build awesome web applications.

## Education

### ROCHESTER INSTITUTE OF TECHNOLOGY – SOFTWARE ENGINEERING

SEPT 2004 - MAY 2009

- Applicable courses completed: Project-Based Calc I - III, Discrete Math I & II, CS for AP Students, Computer Science 4, Software Engineering I, Engineering of SW Subsystems, Principals of Distributed SW Systems, Principals of Information Systems Design, SW Verification & Validation, SW Engineering Process, Requirements & Specifications, Formal Methods, Intro to CS Theory, Concurrent SW Systems, SW Usability, SW Process & Product Quality
- GPA: 3.172
- Member of Computer Science House (CSH) 2005-2009. Member of Executive Board: CSH Research & Development Director Spring 2008; CSH Chairman for 2008-2009.

## Experience

### SOFTWARE DEVELOPER, GENIUS.COM INC.

SAN MATEO, CA

JUN 2008 - PRESENT

- Implemented new features in the web application using Javascript, PHP, and MySQL.
- Added and enhanced Javascript components based using YUI, ExtJS, and native JS.
- Assisted in development and refinement of interface designs and the processes of design (pushed for adoption of a common mockup tool, Balsamiq Mockups).
- Began implementation and rollout of the use of Sass (Syntactically Awesome Style Sheets) to bring some sanity to a growing library of CSS for ease of style management, re-use and development.
- Assisted with enhancing and adding to automated testing (Selenium, PHPUnit, JS unit testing).

### SOFTWARE ENGINEERING INTERN, GOOGLE INC.

MOUNTAIN VIEW, CA

JUN 2008 - AUG 2008

- Returned to Google Docs team to continue feature development on javascript based word processor.
- Continued previous project which became the Footnotes feature for Google Docs.
- Utilized Object oriented Javascript, cross-browser implementation techniques, CSS, Java.
- Components were designed with a modular event structure to allow easy customizability.

### SOFTWARE ENGINEERING INTERN, GOOGLE INC.

MOUNTAIN VIEW, CA

NOV 2007 - FEB 2008

- Worked with Google Docs team for a three month internship developing the Javascript based word processor
- Extensive work with Object Oriented Javascript, events, CSS, and internal Google technologies.
- Implemented user interface improvements including "Page View"
- Designed and began implementation of a new feature.

### SOFTWARE ARCHITECT, BLUETIE INC.

ROCHESTER, NY

SEPT 2007 - NOV 2007

- Continued to support and develop existing collaboration applications and platform.
- Began design and specification for a generic AJAX application framework.

### SOFTWARE ENGINEER, BLUETIE INC.

ROCHESTER, NY

MARCH 2006 - SEPT 2007

- Began work as an Intern and was retained in both part time and full time capacities while attending school.
- Designed and implemented AJAX web applications as part of the BlueTie Collaboration Software.
- Designed and implemented a modular Wizard for assisting first time users set up their accounts.
- Designed and implemented front-end portion of the Reseller Extranet application
- Helped to design and implement an in-house AJAX application framework utilizing Object-Oriented Javascript.
- Designed and implemented the new white labeling / private labeling system for Collaboration software resellers and service providers
- Helped to design and implement replacement Calendaring application front-end
- Project Lead on Banner Advertising Integration project. Responsible for project plan, estimations, design, and oversight of implementation.

### SUMMER INTERN, KIT SOLUTIONS INC.

PITTSBURGH, PA

JUNE - AUGUST 2005

- Worked extensively with MSSQL scripting in a large data transformation project.
- Designed and implemented a web-based Issue Tracking System for internal and client use with VB.NET, ASP.NET, and MSSQL technologies.

### WEB DESIGNER / PROGRAMMER, WPCTE

PITTSBURGH, PA

2002 - PRESENT

Chief designer/programmer of website for the Western Pennsylvania Council of Teachers of English. Supervised staff of two in this project.

## Other Education

**PENNSYLVANIA GOVERNOR'S SCHOOL FOR INFORMATION TECHNOLOGY, DREXEL UNIVERSITY** **SUMMER 2003**

- Highly competitive, five-week, intensive, Honors program.
- Program consisted of daily classes in programming, networking, object oriented analysis and design, human computer interaction, computer ethics, and database management systems.
- Programmed Tablet PC networked, whiteboard applications, as a member of the Software Development Track.
- As project manager for my independent team, I led the team as we achieved our goal of creating a web-based School Management System

## Other Experience

**SYSTEM ADMINISTRATION, COMPUTER SCIENCE HOUSE** **ROCHESTER, NY** **2005 - 2007**

- Accepted as a Root Type Person (RTP) of the Computer Science House (CSH) at RIT.
- Assist in maintaining the computing infrastructure of CSH, which includes maintaining machines running Solaris, FreeBSD and Linux. Also maintain the network, including Cisco hardware.

## Volunteer Experience

**SYSTEM ADMINISTRATION, SETON - LA SALLE HIGH SCHOOL** **MT. LEBANON, PA** **2000 - 2004**

- Designed, installed, and maintain Linux Mail Server for Seton-La Salle High School. (Maintenance of mail server continues to-day.)
- Assisted with the installation and maintenance of the Windows networks.
- Designed and created Article Management System used by SLS Press newspaper staff members to submit and edit articles online.

## Skills

**Proficient:** HTML, PHP, MySQL, Java, Visual Basic, AJAX (Object Oriented Javascript, XML, JSON), Linux, Windows 95-XP, CVS, Apache, Postfix, MyDNS, ExtJS

**Familiar:** PostgreSQL, Ruby on Rails, C++, Shell Scripting (Bash), Java RMI, CSS, Solaris, Mac OS X, FreeBSD, SVN, ISC DHCP, Xen virtual machine technology, Python, mod\_python, git, Sass, Balsamiq Mockups,

**Acquainted:** Oracle, Microsoft SQL, Visual Basic .NET, ASP.NET, C#/Mono, Cocoa & Objective-C, iPhone Development, YUI, Selenium

## Course Projects

- Team Coordinator for SE1 Team Project. Helped design and implement Spelling game for 1st-5th grade students.
- Distributed System team project building a networked, multilayer "dungeon" maze game utilizing Java and RMI technologies.
- Information Systems team project implementing a web forum system utilizing Ruby on Rails and AJAX techniques.

## Personal Projects

- Management console for a "cluster" of machines running Xen hypervisor. Automated allocation, creation, migration, load balancing, and maintenance of VMs with administrator and end user differentiation.
- Implemented MailWrangler iPhone application. Utility to access multiple GMail & Google Apps accounts quickly and automatically logging in through a single interface. Waiting to be released in iTunes App Store for free.
- Redesigned and implemented touch screen interface for Computer Science House "Drink" project. Implemented using Python and the pygame rendering framework.
- Worked in team re-implementing the Computer Science House "Drink" project. Drink is the network-controlled vending machine project. The team rebuilt and re-implemented both the hardware and software aspects of the system to improve stability, features, and usability of the system. Focused primarily on the software running on the machines themselves. Implemented using TINI micro controller boards running Java and utilizing the Dallas 1-Wire technology to drive the hardware.
- Set up and maintain a server system for networked services such as email, database, web, dns, and others. Utilized by myself and other individuals and organizations. Requires constant monitoring and maintenance.
- Home network and DHCP setup for two family unit home. Built small web based system for handling network registrations for computers in the house. Utilized ISC DHCP server and Ruby on Rails. System-handled assignment of Gateway, IP, and DNS information so that connecting to any access point or network port in the housing unit will route Internet traffic through proper cable modem and also maintain a computer's IP address throughout the house.
- Implemented a basic DHCP server in PHP to experiment with the protocol and implementation.
- These projects and others available at <http://github.com/adinardi/>.

## Awards

**EAGLE SCOUT AWARD****BOY SCOUTS OF AMERICA****SUMMER 2002**

Designed, configured, and installed Windows 2000 Network at St. Gabriel School. System included server and 28 workstations. Fully responsible for the entire project, while supervising and directing scouts who assisted with the project.

## Referrals

Available upon request.