

spring 2011

# DOUGLAS GOODWIN

## address

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## Profile

I have over fifteen years professional experience in education, web development, software design, and system administration. My professional activities have supported principled ventures in education, the arts, and public transportation. My career has been split evenly between technology and the arts. I maintain that technology is a creative medium. I make no distinction between work made for exhibition and the frameworks that sustain that work.

## Experience

### **Web Developer, LACMTA** Los Angeles, CA 2008-present

I am responsible for the design and implementation of the code for the web services offered under metro.net. I designed the content management system that manages 10k+ webpages as well as the peripheral websites including The Source, El Pasajero, and Metro Developer. I am also responsible for the dissemination of data available at api.metro.net. I am currently working on a revised trip planner, HTML timetables, and mobile applications for Metro including Nextrip.

### **Faculty, CalArts School of Critical Studies** Valencia, CA 2005-present

I teach a variety of classes in production and theory. At CalArts I specialize in subjects that treat technology as a cultural product. These classes cover the fundamentals from feedback loops to the compression of media. These courses cover subjects from synthetic life, computer vision, recommendation systems and electric guitar amplification. Students make final projects working with these themes.

### **Founder and System Architect, Powderfone.com** Denver, CO 2002-06

PowderFone was a wake-up call service for skiers on powder days. I designed and built the automated calling mechanisms driving this winter snow notification service. This included the design and implementation of a web services interface to the telephone network. This interface was first implemented on a telephone switch (a la MovieFone) then with Asterisk over VoIP. I also designed and built a snow monitoring Dashboard Widget for Apple's release of OSX Tiger.

### **Innovation Director, CommercialWare / Mediasset Lab** Boston, MA / Denver, CO 1999-2001

I was responsible for managing a small research team within CommercialWare. We built web service interfaces to CommercialWare's multi-channel mainframe retail system. Clients included LL Bean, Abercrombie & Fitch, Patagonia, Ritz Camera, Starbucks, and Sur la Table.

### **Director of Internet Applications, Spatial Technology Inc.** Boulder, CO 1999-2000

I was responsible for managing a team of people creating commercial web interfaces to Spatial's unique line of model-healing products including. We published these services on several websites including 3DModelserver, 3Dshare, Bits2Parts, and PlanetCAD.

### **Creative Director, RealEducation / eCollege.com.** Denver, CO 1995-99

eCollege provides all of the necessary technology and services in an integrated approach to building online universities. I was responsible for designing a system which unified all the functions of a university from admissions to courseware.

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## Education

**California Institute of the Arts**, Valencia, CA — MFA Experimental Writing and Integrated Media, Spring 2004

Reed provided me with a pedagogically conservative foundation in the humanities and liberal arts. For my thesis project I adapted and directed Sophocles' *Antigone* and wrote a history of the production history of this play.

**Reed College**, Portland, OR — BA, Spring 1987

Reed provided me with a pedagogically conservative foundation in the humanities and liberal arts. For my thesis project I adapted and directed Sophocles' *Antigone*.

## Skills

### Programming Languages/Markup/Databases

Python, PHP, Ruby, C, Java, JSP, ASP, SQL, Perl, XML, XHTML, DHTML, HTML, CSS, JavaScript, XMLRPC, JSON, YAML, PostgreSQL, MySQL, MS SQL, Memcached, MongoDB.

### Frameworks

Django, CakePHP, Ruby on Rails, MooTools, Dojo, jQuery.

### Network Services/Protocols

Apache HTTP Server, Apache Tomcat, nginx, SSH, DNS, ICMP, IPSec, SMTP, POP3, IMAP, SNMP, DHCP, SMB, NFS, (S)FTP, LDAP, NTP,, rsync, TELNET, RDP, VNC, TCP/IP, UDP, WSGI, mod\_rewrite, wsgi (Gunicorn, mod\_wsgi, uWSGI), Squid, Plesk, Asterisk VoIP.

### Operating Systems

Various Flavors of Linux and Unix (BSD, RedHat, CentOS, Ubuntu, Debian, SUSE, YDL, KNOPPIX, FreeBSD, Solaris, JoliOS), Windows {3.1, Bob!, NT, 2000, 2003 server, XP}, NeXTSTEP, OSX, OSX Server.

## Honors and Awards

AAFF Peter Wilde Award for Most Technically Innovative Film (Lossless #2)

National Public Relations Industry Award, (Powderfone)

NASA TechBriefs Silver Product of the Year, (3DModelserver)

Warehouse Theater: Best New Play (BlueBlack)

Illuminating Engineering Society Technical Mission to China (Fellowship)

## Referrals

References are available on request.