

## Resume for John Freeman

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cloudyhands.com

This hard-copy resume was cobbled together from the resume at my web site cloudyhands.com just for you!

Here is the text from my introductory e-mail:

*The first item in the portfolio is my "**flagship project**" in terms of your needs: <http://mystrategicplan.com/index.html>*

*I designed the database and wrote 60-70% of the implementation of the **MyStrategicPlan** product, which you have to buy a password to see. It is a very complex implementation of their book *Strategic Planning for Dummies*, involving an up to 5 level hierarchy of goals and actions, three different levels of read and or write access, an Ajax-based tree view of your plan, reports, gantt charts and other progress reporting charts, automated e-mails and soooo much more.*

*I can supply references on demand. Russell Persson (Tech Director, my boss) or Erica Olsen of MyStrategicPlan would be happy to reference me.*

*I have been doing complex LAMP development for the last 8 years. Supplying back-end functionality to a user interface designed by others is exactly what I have been doing.*

*A couple of the other portfolio items were designed by a local graphic shop - Rose Glenn - they contracted to Russell (above) and he subcontracted to me.*

*From my previous eight years as a C++ AutoCAD programmer in the 90's **I have a much better grasp of "real" OO design, OOP, and the awful realities of the full product cycle than do most web programmers, even very experienced ones who have just been cranking out web sites.***

*Note that I live downtown, a few short minutes from the GSR :)*

thanks!

## Skills

server-side scripting:	PHP ...also ColdFusion, ASP, iHTML	8 years
client-side:	YUI, DHTML, JavaScript, CSS	8 years
dba:	MySQL ... also OTL, Access, Oracle	9 years
design:	user interface design, application design	28 years
web admin:	DBA skills, Apache config, Linux admin	7 years
unix:	general user and admin skills	17 years
source control:	CVS, Subversion ... also SourceSafe	17 years
server side CGI	C++, STL	12 years
java:	Java, applets, AWT, Swing, JSP, JSEE	2 years
microsoft:	.NET, VB, VBA, ActiveX, COM, ATL	12 years
windows:	Windows API, MFC	16 years
cad:	AutoCAD, ObjectARX(C++ API), VBA, LISP	14 years
currently learning:	YUI, Google Maps, AppleScript, XML, XSL, more e-commerce	now

## Portfolio Sites

The good stuff is hidden in password-protected administrative areas on some of these sites, but here are the public areas:

- **MyStrategicPlan**

This has been My Life for the last eight months, a huge and hugely complex, award-winning web application for strategic planning. As usual, the good stuff is password protected, but basically you buy a plan in the store, then you are sent an email with an order id and a link, and off you go. The demo does show you a lot of screens in the application if you have the patience to let it load. Gosh knows we could all use a little strategic planning!

March 2007: This site has won a 2007 Internet Advertising Competition Award for Outstanding Achievement In Internet Advertising.

- **Truckee Meadows Tomorrow**

Cleaned up the membership area, which evidently never did quite work right. Had to learn something called ExpressionEngine, which the original developers used.

- **Kiley Ranch**

Press releases, Jobs board, Neighborhoods pages, with dynamic menus. Working for the continued over-development of my beautiful Truckee Meadows gave me some internal dissonance, but I persevered.

- **Alliance Commercial**

all me! The designer made the home page and a style sheet, and I did the rest – database design, page design, admin areas for the news, staff, clients, downloads.

- **Nth Degree Mobility**

an osCommerce site. The client wanted many extensions to the osCommerce engine: three levels of dealer pricing, a password-protected internal order section where staffers can assign special pricing and have super-powers to be a user while they take their phone order. I understand osCommerce internals all too well after this.

Sadly, these folks stiffed me for >\$1,200 when they went out of business.

- **Endurance Performance Training Centers**

I am very pleased with the interface we designed for this site. It is a full direct-manipulation content management system: images, text, rotating banners, menus, the works!

- **NevadaCare Connection**

Non-profit organization, I did a massive amount of work on a facility to send out automated mails to the resources who have registered themselves with the site.

- [cloudyhands.com](http://cloudyhands.com)  
this site! home-grown php based left side menu system and other goodies. My on-going long-term project is a photo-management system so I can better share my huge library of digital pictures and the stories that go with them. A couple of iterations of this are my Fall 2002 Road Trip pages (database driven but kinda klunky) and my various galleries. These are completely file and directory driven, which makes them a lot more 'lightweight' to set up and administer.
- [ARC Funding](#)  
Mortgage calculators, dynamic menus.
- [Truckee Meadows Water Authority Landscape Guide](#)  
all I did was a re-formatting pass, but I think it's a really cool site. If you have a house with yard, especially a yard in a dry place, you should check it out!
- [Computer Science 110](#)  
Here is the curriculum for the course I taught at College of Marin. Clicking a topic will either download or display the Word doc of the course notes for that topic.

## Full time Jobs

*It's all been contract work since 2002, see **portfolio** above.*

### **2nd Sight Software Inc.**

1701 South Novato Blvd.

Novato, CA 94949 senior programmer — 2001-02

415.493.2580

Designed and built a CGI web application for site traffic analysis. Coded in C++, the app retrieves results from an Oracle database using OTL, and serves up pages of DHTML and IE-specific JavaScript. The JavaScript implements drop-down menus, a series of pop-up windows and client-side data analysis interactions. The Domain Object Model as defined in IE 5.0 is heavily used to generate tables, trees and other page elements client-side in response to user requests. This architecture means that the user gets nearly instantaneous response to these requests, since they are answered by the browser executing the JavaScript code rather than requiring a server request. Tours of the password-protected application can be arranged by mailing me (to addy on contact page).

### **LagunaStreet Inc.** Senior Programmer — 2000

2907 Laguna Street, San Francisco, CA (defunct - no phone,url)

Web page design, layout, and implementation using PHP and CSS, for an e-commerce site that never saw the light of day (sigh).

### **Autodesk Inc.**

111 McInnis Parkway, San Rafael, CA 94903 Senior Software Engineer — 1991-99

415.507.5000

C++ coding, using Visual C++ to build user interfaces with MFC and hard-core internals programming in the core of AutoCAD, migrating the help system to the Windows model, extending and upgrading the dimensioning system, upgrading the AutoCAD command loop. I was a technical manager for one Release, responsible for the help system and install.

## Education

Bachelor of Arts cum laude          June 1970  
Harvard College  
Cambridge MA          major: Psycholinguistics  
minor: Computer Science

Master of Science in Computers    May 1974  
University of Maryland  
College Park, MD    major: Picture processing (image comprehension)  
minor: Computation Theory

## Job Details

October 91 - August 99  
Senior Software Engineer  
**Autodesk Inc.**  
111 McInnis Parkway  
San Rafael, CA 94903

References: You may get the standard corporate confirmation that I have existed at Autodesk from their main number at 415 507-5000. My last two managers (back through '95) and various others have offered to give me personal references. Telephone numbers are available upon request.

May 99 - August 99 I was on the Command Objects team, whose charter was to modernize AutoCAD's archaic command loop. My particular task was to clean up the rat's nest of code for getting, setting, and maintaining the 400-odd system variables. I developed a class hierarchy and class factory approach that nicely encapsulated the essential tasks of the objects involved with methods that could be overridden to maintain the incredible variety of special cases and behaviors that have been added over the long life of AutoCAD. It was a nice design that I was really enjoying implementing when the project was killed and I was laid off at the end of August.

Jan 95 - May 99 After the initial ship of R13 I got off of the manager track and returned to full-time development. I joined the Dimensioning Team and worked on AutoCAD's

dimensioning complex for the next 4 1/2. This was very interesting and challenging to me. Dimensions are an extremely complex piece of application programming - you must capture industry standard practice, which varies across discipline and locale, as well as idiomatic styles, which vary from company to company. Draftspersons who use the tool every day are very passionate about doing dimensions exactly the way they have always done them, and get quite surly when they cannot!

A particular success for me during this period was the Qleader feature. The Leader command in AutoCAD Release 13-14 was very cumbersome, so in response to wish list requests, I wrote a "Quick Leader" command for the R14 Bonus Tools set. It was so well received and beloved by the user community that it was added to the main product for Release 15 (AutoCAD 2000), one of only two such tools to be included.

July 93 - Jan 95 I was rewarded for my diligence on Release 12 by being made the manager of the Support Team for AutoCAD Release 13. My small (two person) team was responsible for the Install program, Help system, and sample and support files. The first two items were much more hellish than they would be today because AutoCAD was then still a multi-platform product, and the install images had to be laid out for floppy disks (35 for DOS and even more for Windows, some localized, some not!). My programming project during this time was the platform-independent help system, whereby we could use WinHelp on Windows and our own home-brewed help on DOS and UNIX, using the WinHelp source as the base file.

July 93 - Jan 95 I was hired by Autodesk to do the Release 12 Bonus CD. For my first 1 1/2 years I gathered material (mostly image data in various raster, vector, and animation formats, but also scripts, batch files, and various executables). I wrote introductory and transitional text, designed and implemented a navigation format to present all the material under DOS, Windows, and six different UNIX platforms, and generally "wrote, produced, and directed" the entire ball of wax. I even burned the masters towards the end of the cycle, a much more arcane art in 1992 than it is now.

July 91 -- October 91  
Consultant to David West  
Eikon Systems  
989 East Hillsdale Blvd #260  
Foster City CA 94404

These folks hired me for my ImPort experience. I wrote them an Aldus-compatible CGM filter to translate CGM into the internal graphics format of their Scrapbook product, since bought by I think, Symantec. At this point in my career I could reasonably bill myself as an industry expert on the CGM file format and 2D graphics formats in general, although I haven't done anything further with it since I joined Autodesk.

June 86 -- July 91  
Senior Programmer  
**Zenographics Inc.**  
4 Executive Circle #200  
Irvine, CA 92714

I was responsible for Zenographics' ImPort family of products. ImPort for Windows got quite a nice review in the January 91 PC Magazine. It was a set of graphics translators coded as Windows DLLs, plus an application to run them. I designed and coded the Windows application and seven of the eight translators from scratch. My expertise in graphics file formats and the fact that I had written an AutoCAD DXF translator were among the reasons I was hired at Autodesk.

## Employment Ancient History

For the record, here are my jobs all the way back to college and the dawn of the computing era.

5/83 - 5/86  
Independent Consultant  
Encinitas, CA  
*C programming, AutoCAD training and consulting, college teaching*

9/81 - 5/83  
Senior Programmer  
**Data Business Vision**  
San Diego, CA  
*led a team of four programmers, doing ratfor (C-like FORTRAN dialect) programming, building a business graphics workstation*

6/80 - 9/81  
Independent Consultant  
Washington, DC  
*contract work for government agencies, consulting for graphic design firms*

8/79 - 6/80  
Senior Graphics Data Analyst  
**AUI Datagraphics**  
Washington, DC  
*Systems analysis, decision analysis for government agencies*

2/75 - 8/79  
Programmer  
Graphics Software Branch  
**Bureau of the Census**

Suitland, MD

*Charting and typesetting software, written in ALGOL on UNIVAC computers. This software was used at the Bureau for at least the next ten years!*

1/72 - 5/74

Teaching Assistant

**University of Maryland**

College Park, MD

*Faculty Research Assistant, Programming Assistant – image processing, compiler building. Taught assembly language, data structures*

9/70 - 9/71

Multics programmer

**Cambridge Project**

Cambridge, MA

*programming statistical routines on the MIT Multics system*

2/69 - 9/71

Programming assistant

**Harvard University**

Cambridge, MA

*linguistic analysis, programming the Psychology Dept's PDP 9*

## **Education and Training**

*training, education details*

Bachelor of Arts cum laude

June 1970

Harvard College

Cambridge MA

*major: Psycholinguistics*

*minor: Computer Science*

Master of Science in Computers

May 1974

University of Maryland

College Park, MD

*major: Picture processing (image comprehension)*

*minor: Computation Theory*

Computer Training:

- *Object Oriented Design*
- *Advanced Visual Basic*
- *Intermediate Excel*



- *Employee Leadership Training*  
Autodesk Inc.  
1997-1999

- *Intermediate Microsoft Access*
- *Advanced HTML*
- *Introduction to Networking (MSCE)*  
College of Marin  
2000-2003

## **Teaching Experience:**

**Introduction to Computers**  
College of Marin  
California Community College System  
2004

**Accredited AutoCAD trainer**  
Decision Vision  
1985

**CAD/CAM, Algorithms**  
National University  
1982-84

## **Fine Arts Education**

*Design I, Design II*  
Corcoran Museum of Fine Arts School

*Drawing I*  
*Typography I, Typography II*  
George Washington University  
Washington DC

*Offset Lithography*  
Palomar College, San Marcos CA