

## skills

- **data-driven, application UI design and development**, web-based and client-server, desktop and mobile
- **website design and development**, client and backend/database
- **graphic design for web and print**, digital natural-media illustration, photo correction and restoration
- **expert, hand-coded HTML5, CSS, JavaScript, DOM**, cross-browser/version expertise, Windows and Mac
- **full project lifecycle experience**, tactical and strategic needs analysis, hiring, requirements gathering, functional and technical specifications, wireframes, comps, prototypes, usability testing, development, implementation, support, technical and user docs, online help, training videos with voice-over, train-the-trainer

## tools

**applications** *client*: HTML, CSS, JavaScript, jQuery, C, JSP, SmartClient; *server*: PHP, Java

**data** SQL, Oracle; XML, XSLT, JSON

**design** Photoshop, Illustrator, Painter; *some*: Premiere, Flash, After Effects

## experience

(\*contract)

### Profit Velocity Solutions

San Francisco, CA  
2011.01 – present

#### application UI designer-developer

- lead UI designer and developer for browser-based applications for desktop and iPad (JavaScript, AJAX, JSP, HTML4 and 5, CSS, SmartClient) • lead graphic designer for identity and collateral • functional specifications and online help • website design and development

### Woody Creek Pictures\*

Seattle, WA  
2009.09 – 2010.04

#### web designer-developer

- designed and developed business website and multi-media blog (PHP, HTML, CSS)

### OutPerformance\*

San Rafael, CA  
2007.08 – 2009.01

#### application UI designer-developer

- designed, prototyped UI redesign for web-based reporting and charting • developed graphics and client-side code for elected designs (DHTML, JavaScript, CSS)

### Woody Creek Pictures\*

Seattle, WA  
2005.11 – 2006.06

#### web designer-developer

- designed, developed website for critically acclaimed film *The Heart of the Game* released by Miramax (HTML, CSS, JavaScript, PHP)

### Mellon Financial\*

San Francisco, CA  
2004.11 – 2005.06

#### application UI designer-developer

- led UI redesign of large web-based transaction and reporting application (XHTML, CSS, JavaScript)
- initially storyboarded and coded UI enhancements to existing legacy system • then redesigned and coded system UI for new look and feel, navigation scheme, considerable new/changed functionality • abstracted presentation to CSS to simplify code changes by backend development team • technical documentation

### Microsoft\*

Redmond, WA  
2004.05 – 2004.11

#### UI designer-developer • programmer-analyst

- redesigned website UI for educational portal • defined repository and metadata strategy for programmatic page presentation and search/browse functionality
- defined product strategy for document management and routing/approval workflow considering legacy system utilization, 3rd party software evaluations, and custom development
- created Access database and custom reports from XML data • designed-developed SharePoint sites for team collaboration • designed, developed custom reports (HTML, CSS, JavaScript, PHP)

**Primal Solutions\***,  
**Ubicom\***, **Portal Player\***,  
**Maxager Technology\***,  
**AT&T Wireless\***

Seattle, WA  
2003.04 – 2004.03

**web UI designer-developer**

- designed, developed, released, maintained corporate websites • sites featured standards-compliant XHTML architecture and DHTML content (XHTML, CSS, JavaScript, PHP)

**Maxager Technology\***

San Rafael, CA  
2003.01 – 2003.02

**application UI designer-developer**

- designed, prototyped UI enhancements for web-based reporting and charting application • developed graphics, client-side code for elected designs (DHTML, JavaScript, CSS, NetCharts)

**Maxager Technology**

San Rafael, CA  
1999.05 – 2001.11

**product manager • application UI designer-developer**

- analyzed business needs, proposed product solutions in functional specs and UI prototypes • approved technical specs • managed product enhancements • recommended feature set and timing for software releases
- migrated client-server reporting and charting application to web • led UI redesign and usability testing • prototyped web UI (DHTML, JavaScript) • UI featured: customizable pages of independently updating summary objects with drill-down and functions menu, user-collapsible panels to maximize screen real estate, simplified interface with advanced features shown in-place on demand
- redesigned touch-screen UI for limited screen real estate manufacturing shop-floor data collection system • prototyped, usability tested client-server UI (Delphi) • co-developed, taught training classes for product release
- evaluated reporting needs, led assessment of Crystal Reports and other 3rd party tools • prototyped proposed solutions using each tool • proposed in-house custom reporting solution, prototyped client UI (Delphi)

*subcontracted through Maxager Technology for **iQuantic**:*

- led UI design for new web-based data collection, processing, reporting application • gathered requirements, proposed functionality, prototyped web UI, usability tested (DHTML, JavaScript) • coded pages and servlets (JSP, Java) • redesigned corporate website, coded, handed-off templates (HTML, JavaScript, CSS)

**Fecondo Landscaping\***

San Francisco, CA  
1998.09 – 1999.04

**CAD designer**

- designed, developed 3-D CAD models of proposed garden hardscapes for sales, engineering feasibility, materials lists for pricing • drafted 2-D plan and elevation drawings, schematics for irrigation and lighting systems (TurboCAD)

**United Behavioral Health\***

Oakland, CA  
1996.05 – 1998.07

**programmer-analyst**

- enhanced, debugged large mixed-code health care insurance billing and patient treatment event tracking system (VAX C, BASIC, ACMS, Oracle, SQL)

**Pacific Bell\***

San Ramon, CA  
1994.02 – 1995.10

**programmer-analyst • application UI designer-developer**

- designed, wrote specifications for new system to transparently wrap many disparate but interdependent legacy telecom apps with single UI
- designed, coded re-architecture of customer billing system for new functionality, performance (VAX C, RDB, SQL)

**Hewlett Packard\***

San Jose, CA  
1993.07 – 1994.02

**programmer-analyst**

- designed, coded new system to provide graphical monitoring, reporting for high-volume PBX data (Visual Basic)

**Salomon Brothers\*,  
AMS\*, Wells Fargo\*,  
First Boston\***

San Francisco, CA  
Redwood City, CA  
1991.07 – 1993.07

**graphic designer**

- designed, created company collateral, presentations, newsletters, in-house publications (Illustrator, Freehand, Photoshop, CorelDraw, PageMaker, QuarkXPress)
- provided technical and design support, training for graphic design production staff (Mac and Windows platforms)

**Pacific Bell\***

San Ramon, CA  
1990.07 – 1991.05

**application UI designer-developer**

- re-designed, coded UI enabling telecom application to be configured graphically (Microsoft C)
- designed, coded re-architecture of complex telecom application for database-defined features and UI allowing non-technical staff to reconfigure system (VAX C, RDB, SQL) • trained junior programmers in C language, VMS internals, relational DB modeling

**Digital Equipment Corp\***

Irvine, CA  
1989.10 – 1990.07

**application UI designer-developer**

- designed, wrote specifications for UI and functionality for new system to link hospitals allowing data sharing, scheduling, physician authorizations, retrieval of patient test result images and text
- coded UI, email, privileges, administrative software components (VAX C, RDB, SQL)

**Jet Propulsion Lab\***

Pasadena, CA  
1989.03 – 1989.10

**application UI designer-developer**

- designed, wrote specifications for UI and functionality of new system to manage and deploy peacetime Air Force resources • coded UI components (VAX C, RDB, SQL) • wrote technical and user documentation • taught classes in C language, VMS internals, UI design

**Digital Equipment Corp**

Costa Mesa, CA  
1988.06 – 1989.03

**programmer-analyst • project manager**

- *project manager for McDonnell Douglas*: directed team developing resource management system for the Space Station planning project (VAX Fortran) • defined coding standards, performed code reviews • conducted “train the trainer” classes for software releases
- *programmer for Rockwell International*: coded new functionality for aerospace design applications (VAX Fortran) • provided on-site programming support

**Digital Equipment Corp**

New York, NY  
1987.02 – 1988.06

**programmer-analyst • project manager**

- *project manager for Morgan Stanley*: led team to design, code, document system to generate Postscript-based personalized prospectuses (VAX Fortran) • trained new system manager
- *lead programmer for Citibank*: designed, coded secure check disbursement system (VAX Fortran)

**Ernst & Young**

San Francisco, CA  
1985.10 – 1987.02

**system administrator • programmer**

- managed VAX data center and three remote sites • automated system operations • managed vendor accounts • maintained all hardware and software • supported user base • enhanced financial applications (VAX Basic)

**Duke Medical Center**

Durham, NC  
1983.09 – 1985.05

**programmer • graphic designer**

- developed software to identify structures in 3-D stereogram images of muscle tissue (VAX Fortran) • created 3-D models and large-format plotter graphics for publication (selected acknowledgments in *Nature* and *The Journal of Molecular Biology*)

## education

**Duke University**

Durham, NC  
1981.09 – 1985.05

**B.S.E., Biomedical Engineering**

- graduated cum laude • Phi Eta Sigma Honor Society • Dean's List • Class Honors • Mensa (IQ 182)