

TOM GUYETTE
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Professional Summary

Currently pursuing Master of Science in Mechanical Engineering at CSULA. Seeking part-time employment at a small discrete manufacturing, prototyping, or research company that needs engineers with a broad base of experience.

13 years of broad professional experience and education covers the “engineering tripod:” Software, Mechanical, and Electrical; also includes diverse project leadership experience, staff management, business process implementation, customer support, technical and process documentation, multimedia production, internal training, and presentation.

Education

[California State University, Los Angeles](http://www.calstate.edu) – Los Angeles, CA Est. 2010
M.S. Mechanical Engineering – In process

Team projects include Mechanical Chime Tower, Human-Powered Monorail, Under-desk Treadle

[Worcester Polytechnic Institute](http://www.wpi.edu) – Worcester, MA 1996
B.S. Music and Theater Production – Magna Cum Laude (“With High Distinction”)
B.S. Electrical Engineering (all but Senior Thesis) – Acoustical engineering, Logic, Signals, Computer Science

Senior research project studied [the effects of acoustics on singers](#); included contracting facilities with [Bose Corporation](#), soliciting volunteer singers, crafting experimental environment and procedure, publishing findings

Coursework

CSULA –	Machine Design, Machining Science, MATLAB, MathCAD, Fluent / Gambit	2009
	Mechanical Engineering Analysis, Machine Shop	2008
	Manufacturing Processes, Robotics	
	Strength of Materials, Fluid Mechanics, Dynamics	
	Statics, Materials, Thermodynamics, SolidWorks, AutoCAD	2007
Art Center College –	Intro to Communications Sketching	2007
	Industrial Design Modeling - Hand prototyping with clay, silicon, thermosets, two-part resins, vacuform, wood, foam, and model kits	2006
IBM Software Group –	WSAD / WebSphere Boot Camp	2004
	WebSphere Servlet and JSP Development	2004
	WebSphere EJB Development	2004
	WebSphere System Administration	2004
	Java Developer’s Guide to Eclipse	2005
Sun Microsystems –	Solaris System Administration Crash Course	2000
WPI –	Distance Learning Professional Conference in Madison, WI	1995
	Dealing with Difficult People	1995
	Myers-Briggs Type Analysis	1996
Bose Institute –	Acoustical Engineering	1995

Experience

[Integrated Data Corporation](#) / [Ironhawk Technologies, Inc.](#)

Software Consultant / Management Consultant

December 2006 – Ongoing

Consultant for a mature small company producing communications software for military platforms

- Pre-**audit** company records for Research and Development Tax Credit claim
- Research new **open source technologies** for integration into new and existing products (**JSR 170 / JCR**)
- Establish and document **collaborative processes**, componentization standards (**Wiki** authoring, **Eclipse**, **Maven**)
- Brainstorm new features for existing products and new products (**Product Management**)
- Collaborate with **QA** to review and strengthen test plans, make test execution more efficient

[T2 Design and Prototyping](#), [Voices.com](#), [Evoca](#)

Technical Consultant

April 2005 – Ongoing

Brief technical consulting engagements pertaining to product design, market research, IP searches, usability, testing

[IBM Software Group](#) – Westford, MA

Staff Software Engineer, IBM Workplace Rich Client Team

January 2004 – April 2005

Responsible for complex install and configuration tools binding client installer to server, for a rich desktop application portal

- Extensive experience with structured software **development process**, including specifications, feature costing, source control, build, QA test planning and execution, globalization, accessibility, bug triage, documentation, and support
- IP contributions: **US Patents** [7,418,281](#), [7,373,635](#), [7,519,801](#)
- Created **installer** for WebSphere Portal Server support of Rich Client users (**InstallShield, WebSphere Portal Server**)
- Maintained desktop **installer** and download system (**Java Applets, JavaScript, HTML, Linux client administration**)
- **Wrote** help content for admins / users, worked with editors and designers to establish product-wide doc standards
- **Supported** internal teams developing for InstallShield MultiPlatform, including authoring a design pattern [white paper](#)
- Volunteer reviewer of “Technologies At a Glance” series
- Worked closely with design team on **user-centered design** projects beyond my functional area

Staff Software Engineer, IBM Workplace Infrastructure Team

March 2003 – January 2004

Member of a new megateam developing a customizable, centrally managed rich application portal. Challenges included rapidly varying requirements and organization, shifting infrastructure, communication amidst 100+ developers and testers.

- Represented Workplace Client team on a cross-functional **architecture board** creating the Workplace server installer
- Early adopter **training others** in new technologies, e.g., Linux, one-on-one support for WebSphere and DB2
- Assisted **IBM Research** designing cutting-edge time management system as “extracurricular fun”

Software Engineer / Senior Software Engineer, Domino.Doc / Workflow

October 1998 – March 2003

General duties developing, documenting, testing, and supporting an atypically complex **Lotus Notes** application

- **Critical Situation** (crit-sit) representative for many high-profile customer support incidents
- Defined **customer support** position, interviewed and trained full-time new hire in the position
- Improved product **usability / design** based on extensive direct customer contact
- Prepared team for corporate **security audit**, including training and implementation of audit database systems
- **Wrote** readme.txt for several releases, **edited** admin / user help docs, contributed to [redbook](#) for developers

[Lizard Database & Web, Inc.](#) – Boylston, MA

March 1998 – August 1998

Design consultant at a small startup evaluating client web sites to improve navigation, clarity, and presentation

[HyComp, Inc.](#) – Marlborough, MA

December 1997 – February 1998

Technical editing consultant to scan a large library of printed technical documents and update / edit as needed

[Worcester Polytechnic Institute](#) – Worcester, MA

Interim Office Operations Support Supervisor, [CCC Helpdesk](#)

October 1997

Program Administrator, [WPI Instructional Media Center](#) / [ADLN](#)

June 1996 – June 1997

Responsible for managing operations in a seminal distance learning program at a major engineering school

- **Managed** small team in daily video production, broadcast, and distribution of distance learning classes
- **Supported** course material development and logistics for faculty and students in three distance learning programs
- **Wrote** proposals and grants, including Sloan Foundation [grant](#) to fund an on-line community of FPE professionals; [proposal](#) for WPI Class of 1957 to fund an instructional technology resource center; proposal for incorporating DVD technology into MBA curriculum; report to the WPI faculty on improving undergraduate distance learning; ADLN Procedures and Policies manual; Peterson’s College Guide promotional copy; web site promotional copy

Technical Skills

Collaboration frameworks

Expert: Lotus Notes, Lotus QuickPlace, TikiWiki, MS Office
Intermediate: WebSphere / Portal, Subversion (SVN), CVS, ClearCase, Maven (MVN); Visio; Lotus SmartSuite
Familiar: Microsoft SharePoint, MediaWiki

Tools

Expert: Eclipse/WSAD, Cakewalk Pro and other audio editors
Intermediate: SolidWorks; MATLAB
Familiar: Mathcad, Visual Studio, Adobe Photoshop, Macromedia Flash

General

Expert: PC hardware assembly / troubleshooting, software installation / troubleshooting;
Training / tutoring / documentation of complex technical concepts in plain English

Standards

Expert: Windows UI design standards
Intermediate: J2EE, XML, WebDAV, JSR 170 / JCR, HTTP, JMX MBeans, MIDI
Familiar: ODMA, SOAP, UML, TCP/IP, USPTO terminology

Languages

Expert: LotusScript / Notes components, InstallShield Multiplatform
Intermediate: JavaScript, HTML/DHTML, CSS, Unix shell script, Assembly language (small scale)
Familiar: Java, C, C++, C#

Activities

Production / presentation

- Directed many stage shows / radio shows / musical ensembles in college and community groups
- Paid presenter of Interleaf Bladerunner software at major publishing industry conventions
- Published and broadcast voice-over actor, wide experience as a community theater actor / singer
- Directed live video recording of Handel's Messiah concert for WCCA community cable
- Composed original scores for stage productions of Dracula and Henry V
- Audio editing / production in home studio, including part-by-part rehearsal CDs for Pirates of Penzance

Awards / Affiliations

- Received "Best support of LPS MA by a Lotus Product Team, 2000" award for Domino.Doc
- IBM "Thanks!" awards from maximum number of peers from interlocking teams in 2006
- Mensa; ΑΨΩ; HKN; TBI; National Merit Scholar; Holy Cross Book; Rensselaer Medal; Charles O. Thompson Honor Society, Honors Program Valedictorian