

# Mark Abajian

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**OBJECTIVE** Position in Software Engineering, requiring solid experience in analysis, implementation, and documentation; high visibility desired.

**PERSONAL PROFILE** Seventeen years in software engineering  
State-of-the-art languages & architectures  
Excellent communication skills – presentations, technical writing

Expertise in all phases of the Software Lifecycle: requirements analysis, design, implementation, integration and test, configuration management, delivery, documentation, user training, support, operations. Proficiency in independent verification & validation of existing codes, and in deployment to heterogeneous platforms.

Have led efforts in science data analysis, mission simulation, instrument calibration, data archival, distributed processing, Internet applications, GUIs. Participated in team efforts on instrument flight software and ground-support equipment (GSE). Familiar with documentation standards, ISO 9001.

**PROJECTS** Keck Interferometer Science Operations System (Data Archival and Web GUI)  
Mars Odyssey Micro-Helm (GUI for Modeling and Visualization tool)  
Flight System Testbed (FST) Automated Calibration Suite (Prototype GSE)  
GALEX UV Instrument (DPU Flight Software, GSE)  
APEX Panorama Camera (PanCam) (GSE, Test Plan, JPL D-18104)  
Multiprocessor System Calibration (SGI H/W and S/W, JPL D-15998)  
EOS/MISR Science Data (R&D, Distributed Processing, JPL D-15997)  
*Project Details available upon request.*

**TOOLKIT** *Languages:* Perl, Java, SQL, C++, VBasic/Excel, HTML/XML, Unix shells  
*Platforms:* Solaris, Oracle, Informix, MySQL, Mac OS X, Windows, VxWorks  
*Tools:* Office, Acrobat, iLife, AppleScript, Automator, Visual Studio  
*Internet:* Catalina/Tomcat (JSP), Apache, CGI, SSL, SSH, HTTP(S)

**POSITIONS** 2001+ MTS, Michelson Science Center, Caltech  
1995-2001 MTS, Mission Simulation & Instrument Modeling Group, JPL  
1992-1993 Instructor, Mathematics, Haigazian University, Yerevan, Armenia  
1987 MTS, Nuclear Test Support, EG&G, Las Vegas, Nevada  
1981-1986 MTS, Mission Planning Department, LOGICON, San Pedro

**EDUCATION** B.A., Mathematics and Computer Science, 1980  
California State University, Los Angeles

**LAGNIAPPE** Experienced in administering Solaris, Windows, and Macintosh, and in addressing their security requirements. Bilingual (English/Armenian).

**INTERESTS** Languages, Travel, Music

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