

MICHAEL W. SCHIMPF

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Survey Systems Manager and Small Business Owner

Experienced Survey System Manager • Insightful & Persistent Problem Solver
Military Experience as Fighter Pilot, Instructor Pilot, & Software Engineer
MS Electrical Engineering • MIT Aerospace Undergrad

- Over 16 years experience managing, administering, and engineering organizational climate assessment systems for the DoD, NASA, VA, and private industry
 - Unique blend of business, technical, and operational experience as small business owner, data analyst, software developer, jet flight instructor, fighter pilot, and technical liaison to the Navy.
 - Managed IT security, availability, and scalability by implementing survey data systems within the Amazon Web Services (AWS) GovCloud region.
 - Six years of experience in hardware and software design with Sun Microsystems.
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PROFESSIONAL EXPERIENCE

Advanced Survey Design, LLC *Monterey, CA* 2005 - present
Chief Operating Officer

- Manage company operations to include all fiscal transactions, communication and IT equipment, networking, and adherence to government regulations.
- Safety Survey Manager: Debriefed hundreds of squadron commanding officers on their safety survey results providing insight into the interpretation of the data.
- Conducted extensive research into survey response data for Naval Aviation, Air Force, Marine Corps, NASA, and Defense contractors.
- Worked extensively with engineering department to enhance data integrity, data security, user interface, and system performance through architectural and coding improvements.

U.S. Navy Reserves *Monterey, CA* 2000 – 2008
Science and Technology Liaison Officer to the fleet

- Designed test plans for ground sensor network in Naval Postgraduate School sponsored Surveillance, Targeting, and Acquisition Network experiment.
- Promoted advanced Navy tactics by instructing three carrier airwings in how to integrate unmanned aerial vehicles (UAVs) into their mission planning and execution.
- Developed Visual Basic software to automate the preparation of aviation safety survey data sets then performed statistical analysis on the data.

Michael Schimpf Consulting *Pacific Grove, CA*

Technology Consultant and Data Analyst to Navy's School of Aviation Safety

- Validated School of Aviation Safety's online survey program by investigating and quantifying the relationship between survey results and subsequent aviation mishaps.
- Managed Marine Corps Command Safety Assessment Survey. This included process definition, requirements analysis, software maintenance, and administrative contact with participating battalions.

Sun Microsystems *Newark, CA*

Design Engineer of high-end 3D graphics boards and associated software

- Accelerated development of frame buffer-to-video ASIC by rapidly generating a transaction-accurate C++ model for design verification.
- Achieved 40% speedup of XVR-1000 graphics board by implementing on-board display list caching in spite of significant bugs in an outsourced onboard processor.
- Eliminated development bottleneck of XVR-1000's render pipe by quickly delivering a software model of the HW, thus providing vectors for verification of all downstream modules.
- Spearheaded generation of onboard support for the OpenGL cubemap extension in both single and multi-texture applications by designing the necessary microcode and OpenGL code base.

U.S. Navy

Fighter Pilot, Jet Flight Instructor, and Computer Programmer and Personnel Manager

- Earned Air Medal by defending U.S. interests in Bosnia and Somalia while serving as an F-14 fighter pilot flying off the aircraft carrier, USS AMERICA.
- Jet flight instructor in T-2C jet trainer. Instructed over 300 student naval aviators in basic and advanced instrument flight, carrier landings, section and division formation, and air-to-air gunnery.
- Reduced training squadron administrative costs by over 30% through the development of an integrated software suite. Applications included a sophisticated squadron scheduler, flight data processor, flight performance evaluation, flight qualification tracking, and integration of all these databases.

EDUCATION

Naval Postgraduate School *Monterey, CA*

MS in Electrical Engineering

Massachusetts Institute of Technology *Cambridge, MA*

BS in Aerospace Engineering