

Objective

To apply my analytical, technical, and scientific expertise to strategy development and project management in an industry or government setting.

Summary of Qualifications

- Team leadership and training ability
- Software and web development
- Database management and mining
- Excellent written and oral communication skills
- Research and data analysis expert
- Writing full research plans and grant proposals

Representative Skills

Analytical	Statistical Analysis, Linear/Nonlinear Modeling, Information Analysis, Machine Learning
Technical	Signal Generation and Acquisition, Hardware/Software Interfacing, Experimental Physiology
Development	C/C++, Java, Python, SQL, MATLAB, Perl, HTML, JavaScript, AJAX, PHP, ASP, LaTeX, Shell Script
Languages	English, Hebrew (fluent), Spanish, Portuguese, German (basic)
Software	Microsoft Windows, Mac OS X, Linux/UNIX, Microsoft Office Suite, Adobe Creative Suite

Work Experience

July 2011 - Present	Scientific Research Associate,	University of Maryland, College Park, MD
	Led and collaborated in several research projects aimed at understanding 1) the physiological basis of tinnitus and 2) the representation of sound by auditory cortex.	
May 2009 - June 2011	Postdoctoral Fellow,	University of Maryland, College Park, MD
	Led a major research project entitled "Early Development of Neural Circuitry in Mouse Primary Auditory Cortex".	
June 2004 - May 2009	Doctoral Candidate,	University of Maryland School of Medicine, Baltimore, MD
	Designed and conducted an extensive research and modeling project in computational auditory neuroscience entitled "Nonlinear Coding Schemes in the Awake Auditory Cortex" and collaborated on multiple related studies.	
October 2003 - January 2004	Software/Web Developer,	Vertistry, Inc., New York, NY
	Optimized database search algorithms and implemented web interfaces for a turnkey database management suite and front-end search platform.	
January 2003 - October 2003	Software Developer,	ControlID, Ltd., Tel Aviv, Israel
	Designed and implemented a database system with a custom software interface for information management and communication with embedded controllers over cellular networks.	
August 2001 - March 2003	Software Developer/Team Leader,	Israeli Defense Forces
	Designed and implemented a software suite for 1) database management, 2) interfacing with a low-level control system, and 3) expediting workflow processes.	

Education

PhD, Anatomy and Neurobiology, Systems neuroscience research joining experimental, computational and statistical modeling techniques.	University of Maryland, 2004-2009
BA, Computer Science,	Open University of Israel, 1998-2001