

## BIOGRAPHY

# Andrew B. Liwen

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### AI & Technology

Knowledge representation  
AI planning & reasoning systems  
Realtime AI-driven orchestration  
NLP & utterance to/from text  
Semantic & cognitive computing  
Navigating & planning in uncertainty

### Business

Global healthcare architectures  
High performing organizations  
Enterprise/TOGAF architectures  
Global IT outsourcing  
Global BPO, follow-the-sun

### Solutions Architecture

Global, cross-functional and I18N  
ITIL and ITSM certified architect  
Public & private sector  
Pursuit, capture, launch, sustain ops  
Government policy architect  
City, county, state, Federal, global  
Sustainability / infrastructure

### Security

Threat / vulnerability expert  
Secure, distributed architectures  
Hyper-secure cloud offering creator  
Cryptography & white-hat hacking  
Storage and data-in-motion expert  
Biometrics and authentication  
Intelligence and data attribution  
DR/BC – Government & enterprise

### Certifications

Security CISSP #90998 (expired)  
HIPAA & PCI concentration  
Previously cleared: TS/SCI//SI//SAO,  
EBI, poly-lifestyle & compartmented  
Cleared via: IC, DOS, DOD, DHS,  
DOE, and other departments  
Toastmasters Int'l: ACS/ALB

Andy Liwen is a visionary leader and change agent who has transformed markets with real solutions. He possesses a deep ownership of how technology can be applied to attain mission goals and, when needed, to solve seeming intractable problems. He led amazing cross-functional teams at Cisco, Accenture, AT&T Lab, private / public sector, and DOD. He inspires and nurtures talented, diverse professionals at all levels. A world class solutions architect, he excels at transformations, cross-functional projects, and emergent technology.

He helped found the AI Lab at Southwestern Bell (now AT&T) where he drove novel AI research in real-time semantic reasoning and intelligent automation, partnered with Silicon Graphics super-computing and the world-renowned MIT Media Lab. His recent work with Texas Oncology, the largest US community cancer practice, helped set his unreasonably optimistic personal mission to improve all patients' health through AI.

He returned to Austin after an assignment in Washington, DC with Cisco Systems where he was recruited to launch its services offering to public sector. He pioneered Cisco's Smart+Connected Community by turning around the most disadvantaged city in western Massachusetts. The healthcare delivery model he developed in partnership with Harvard Med was a key success factor for the town to thrive. He personally authored the visionary white paper "Data Center of the Future" which won the NYC outsourcing contract and attained, for his lead sales manager, the highest single deal commission to date at Cisco of \$1.5M.

Before that he was recruited from Austin to revitalize Accenture's Washington, DC security practice and progressed to lead public sector business development as the infrastructure outsourcing pursuit lead. Mr. Liwen organized pursuits and led multiple cross-functional teams of 200+ professionals galvanized to win \$1+B public sector deals. During this time, he brought forth solutions to transform Tricare, VA Health, Military Health System, DHS, and intelligence community opportunities.

Before these assignments, Mr. Liwen served as CTO in the Austin startup community. He was a principal scientist and led the AT&T team bringing ADSL to both home and enterprise markets, partnering with the global CIO of Shell Oil. He was active in the intelligence community for many years in white-hat, social engineering. Early in his career he had the privilege of working directly with Internet pioneers: Larry Roberts, Vint Cerf, Jon Postel, and Rick Adams on ARPANet. His team was selected to partner with HP to develop the CORBA secure network technologies.

Mr. Liwen holds a BA degree in Abstract Mathematics and an MS degree in Computer Science from American University in Washington, DC.