

DAVE BAIOCCHI (bye-OH-key)

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Engineer Turned Technologist | Trend Hacker | Futurist

Business consultant who creates elegant and profitable strategies, business lines, products and services for clients through insights into global and often unprecedented evolutions in technology.

Problem cartographer who visually expresses the identification and potential solutions of problems.

Numerical Models • Tech-Radar • Prototypes • Multi-Disciplinary Analysis • Systems Approach

CAREER HIGHLIGHTS

CHALLENGE: Stop threat of collision by various U.S. and foreign space satellites.

SOLUTION: Built system for satellites to alert each other without revealing location and created groundwork for increased collaboration.

CHALLENGE: Restore \$30M annual funding to Air Force Optical and Supercomputing Site.

SOLUTION: Introduced custom-built, fee-based approach for governmental users.

CHALLENGE: Explain why 33%+ of active-duty Army personnel were not deployed in Iraq.

SOLUTION: Developed visual-based utilization tracking after analyzing millions of datasets of deployment trends over seven-year period. Triggered major policy change and additional rest for soldiers between deployments.

CHALLENGE: Redesign graduate program to reflect interconnectedness of technology.

SOLUTION: Created integrated first-year Ph.D. program. Fostered top talent. Piloted student laboratory to design and prototype innovations.

CHALLENGE: Monitor Earth from greater distances in space.

SOLUTION: Innovated and redesigned space sensors for satellites, with 10+ still in orbit.

CHALLENGE: Improve model to measure performance of Pentagon's \$30B national laboratory enterprise.

SOLUTION: Designed new model based on analogous hierarchical, decentralized system after extensive interviews with Department of Defense (DOD) directors.

PROFESSIONAL BACKGROUND

ReD Associates, 2018-Present
Partner

RAND Corporation, 2008–2018
Roles included Senior Engineer and Director, Summer Associate Program

PARDEE Rand Graduate School, 2013-2018
Professor and Director of Design

Sandia National Laboratories, 2004–2008
Senior Member of Technical Staff and Lens Designer

The College of Optical Sciences, University of Arizona, 1998–2004
Research Associate

Clients have included top decisionmakers at The Pentagon, NASA, DARPA, FEMA, other U.S. federal agencies and private corporations

Author of *Surprise! From CEOs to Navy SEALs and Confronting Space Debris*

Ph.D. and M.S., **University of Arizona**
Optical Engineering

B.S., **DePaul University**
Physics with honors

Interests include photography, drawing and watercolor

Personal website at davebaoicchi.net