

## DAVID LAWRENCE SCHWEIZER

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### SUMMARY

Senior computing professional with 15 years of experience as a manager, individual contributor, and leader in industry and academia. A strategic thinker with both soft skills and technical breadth and depth who navigates effectively between business and engineering teams. A proven leader with a record of recruiting, building, managing, and leading high-performing teams that deliver cutting-edge business solutions.

### PROFESSIONAL EXPERIENCE

**ADVISOR SOFTWARE, INC.**, Lafayette, California **2007 – present**  
*Senior Product Manager*

- Restructured the strategic roadmap for the analytic core of ASI's disruptive new product. Balanced competing views of features and priorities to produce feasible staged development plan. Translated academic-level research insights into concrete development requirements.
- Catalyzed organizational shift to more agile methodologies. Drew advocates of change and key influencers together to build consensus across the organization.

**BARCLAYS GLOBAL INVESTORS**, San Francisco, California **1998 – 2006**

*Senior Technologist* 2003 – 2006

- Built the business case for a systematic software reuse program and presented it successfully to executive management for \$900k first-year funding. Managed external consulting resources to assess organizational readiness and demonstrated validity of approach by delivering successful initial proof-of-concept project. Program is now delivering components that improve developer productivity and speed delivery of business applications.
- Introduced new fiscal and procedural controls over BGI's \$9 million annual software spend. Designed and implemented all relevant policies and procedures, delivering sustainable annual savings of \$300k-\$500k and ensuring software license compliance. Improved relationships and streamlined communications with external software vendors. Built and managed an administrative team; mentored and developed senior individual contributor into team management role.
- Overhauled processes for life-cycle management of BGI's portfolio of externally-sourced software. Facilitated those processes to manage the portfolio effectively, reducing the complexity of the environment. Raised the bar for the quality of technology assessment activities across the organization; supported execution by improving access to information. Drove the organization to embed implementation decisions in a unified buy/build framework.

*Global IT Product Manager* 2001 – 2003

- Directed development and operational support for a suite of global applications relied on by multiple internal customers across BGI's Active Equity and Asset Allocation businesses for 24x7 business critical research and production activities.

- Gathered requirements and balanced priorities across front-office business units, also adding in non-negotiable demand from support units (regulatory, audit, and IT infrastructure).
- Staffed and managed a diverse team of architects, developers, and data analysts responsible for the data feed systems supporting BGI's Active Equity businesses globally (managers of several hundred billion dollars of client assets). Worked closely with line-of-business managers to understand their needs and ensure technical staff would implement appropriate solutions that solved business problems.

***Systems Development Manager, Senior Systems Developer*** 1998 – 2001

- Architected process and coded the Global Platform international equity portfolio management system. Sat side-by-side with business users and translated their requirements into design specifications and implementations. Ultimately owned the entire system, including data feeds, relational database, and business applications. Successfully transitioned multiple lines of business onto the system from legacy systems that could not be remediated for European Monetary Union and Y2K.
- Consulted widely internally on complex analytical applications, e.g., BGI's proprietary portfolio optimizer.

**COLLEGE OF THE HOLY CROSS, Worcester, Massachusetts**

**1992 – 1998**

***Assistant Professor of Mathematics and Computer Science***

- Taught courses at all levels across the breadth of the undergraduate Computer Science curriculum, ranging from introductory programming for non-majors to an upper division seminar on Artificial Life. Also taught Math courses such as Discrete Math.

**IOWA STATE UNIVERSITY, Ames, Iowa**

**1995 – 1996**

***Visiting Assistant Professor of Mathematics*** (on leave from Holy Cross)

- Conducted research. Taught courses on Combinatorics and Graph Theory.

**FIRST QUADRANT, Pasadena, California**

**1991 – 1992**

***Programmer***

**SELECTED PROFESSIONAL TRAINING**

Competitive Technical Intelligence, **Caltech Industrial Relations Center**  
Technology Strategy for Product Development, **Caltech Industrial Relations Center**  
Software Project Survival, **Construx**

**EDUCATION**

**PhD**, Computer Science, **Caltech**, 1991

**MS**, Computer Science, **Caltech**, 1986

**BS**, Mathematics, **Yale**, 1984

**SELECTED AWARDS AND PUBLICATIONS**

- Delayed binary search, or, Playing twenty questions with a procrastinator (*with A. Ambainis and S. Bloch*)
- Feasible reductions to Kolmogorov-Loveland stochastic sequences (*with J. Lutz*)
- Honeywell Futurist Competition winner

**PROFESSIONAL SOCIETIES**

Association for Computing Machinery (ACM), Institute of Electrical and Electronic Engineers (IEEE), IEEE Computer Society, Mathematical Association of America (MAA), Fibonacci Association