

Kurt R. Linberg

6328 Eden Prairie Road, Eden Prairie, Minnesota 55346 (612) 949-0235

PROFESSIONAL HISTORY

CAPELLA UNIVERSITY, Minneapolis, Minnesota

January, 2000 - present

Program Director, School of Information Technology - developed a web-based BS degree in Information Technology, prepared curriculum with input from industry/academia; recruited adjunct professors; worked with accreditation boards, prepared course work; provided mentoring and advising for undergraduates and graduates in the IT programs; and conducted guest lectures at conferences and workshops.

MEDTRONIC INCORPORATED, Minneapolis, Minnesota

May, 1998 - February, 2000

Project Manager/Systems Analyst - prepared project plans to incrementally assess the feasibility of the various connectivity features for the Link project; provided systems analyst support for the remote software deployment and programmer asset management feature; developed a knowledge management system which managed customer feedback, meeting information, and vendor contacts to facilitate market research and requirement definition.

April, 1997 - May, 1998

Product Manager - managed the optimum usage of common hardware and software associated with 17,000 instruments (Medtronic 9790 Programmers) used to program pacemakers; provided multi-national, multi-divisional leadership in resolving product/process issues to safeguard the \$120 million investment; developed an information management system which incorporated components for asset management, software release management, instrumentation service/manufacturing data, and software development constraints.

1994 - 1997

Software Project Manager - successfully planned and managed the development of over 30 separate software market releases for the 9790 Programmer; identified, prioritized, and successfully incorporated improvements in software development processes and configuration

management techniques; managed the development and implementation of state of the art software productivity and quality tools into software development projects; coordinated activities between multiple divisions in multiple countries; provided long range and annual planning; maintained cost center spending at annual plan level.

1992 - 1994

Lead Software Quality Engineer - performed verification of Object-Oriented design implementation; managed the development of the software quality assurance policy and procedures; participated on a team which documented the software development processes which were acceptable for ISO-9001 certification; authored the Medtronic quality assurance policy for Manufacturing software; participated on the software engineering process group.

ALLIANT TECHSYSTEMS, INCORPORATED, Minneapolis, Minnesota

1990 - 1992

Principal Software Engineer - directed software quality efforts on a number of projects; developed software tools to increase the efficiency of software testing and software metrics collection, developed a software trouble reporting and information management system; developed and executed test cases.

HONEYWELL, INCORPORATED, Minneapolis, Minnesota

1985 - 1990

Senior Software Engineer - performed software quality evaluations; managed special projects which assessed new software standards (2167A/2168); developed tools to perform automated configuration checking; conducted VAX/VMS training.

SIMMONDS PRECISION, Vergennes, Vermont

1984 - 1985

Software Quality Assurance Specialist - implemented the companies first Software Quality Assurance Program; staffed the SQA function; trained quality assurance personnel.

McDONNELL AIRCRAFT COMPANY, St. Louis, Missouri

1982 - 1984

Software Engineer - monitored the software development of embedded avionic software systems; initiated the first pilot study of Software Quality Metrics.

EDUCATION

Ph.D. in Applied Management and Decision Sciences - Walden University in May 1999

MS in Software Engineering - University of St. Thomas, St. Paul, Minnesota in May 1994

BS in Applied Mathematics - University of Wisconsin in 1982

PUBLICATIONS/FORMAL PRESENTATIONS

Linberg, Kurt R. (2000). "Software developer perceptions about software project failure: A case study," Journal of Systems and Software, December 2000.

Linberg, Kurt R. (1999). "My view of the next millennium in systems and software development," Managing System Development, January, pp. 2-5.

Linberg, Kurt R. (1998). "Modern approaches for understanding and managing organizations," Futurics: A Journal of Futures Research, v. 22, n. 3&4, pp. 18-34.

Linberg, Kurt R. (1997). "Principles of societal development from a technological perspective," Futurics: A Journal of Futures Research, v. 21, n. 3&4, pp. 1-22.

Linberg, Kurt and Eagles, Sherman. (1995). "Process Improvement in a Project-Driven Biomedical Company," presented at the 7th Annual Software Engineering Process Group Conference sponsored by the Software Engineering Institute at Carnegie Mellon University.

Linberg, Kurt R. (1993). "Defining the Role of Software Quality Assurance in a Medical Device Company," in Computer-Based Medical Systems, Proceedings of the Sixth Annual IEEE Symposium, June 13-16, pp 278-283.

PATENTS

10 patent disclosures related to using IT in the medical device business.