

Bradford R. McCormick, Ed.D.

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SOFTWARE ENGINEER

Quality Assurance | Web Developer | Technical Documentation

Software Engineer with extensive experience developing Graphical User Interface (GUI) for storage and network management software. Known for identifying instances of non-compliance, finding ways to improve the user interface without introducing new bugs into the product. Trusted collaborator and recognized “translator” between technical experts and non-technical users who effectively works across teams in a multicultural environment. Developed key competencies in:

- Web Design and Development
- User Interface Design
- Agile Development
- Technical Documentation
- End-User Training
- Educational Software Research

TECHNICAL SKILLS

Java+Swing, JavaScript, HTML, CSS, jQuery, Miglayout, Lodash, Angular. Windows 2010, Linux. Python, Perl, XML, CGI scripting. SGML, Omnimark, Unix. C, MS/DOS, 8086 Assembler. MVS/370 internals, S/370 Assembler, PL/S, TSO, JCL. COBOL, APL.

PROFESSIONAL EXPERIENCE

SMARTS (System Management Arts) | EMC | DELL – Hopkinton MA (remote) 1999 - 2018
Senior Software Engineer (2007-2018)

Charged with developing, maintaining and enhancing the Graphical User Interface for EMC ScaleIO storage management product.

- Identified by management as “go to” person for identifying and resolving high priority issues.
- Enhanced product capabilities by designing and implementing many new Java GUI action dialogs and status display panels for new product functions.
- Designed and implemented action dialogs and status display panels for Javascript version of GUI.
- Successfully identified and analyzed undetected problems and provided resolutions.
- Implemented enhancements to the application, wrote graphical dialogs for modifying the system configuration and parameters.
- Continuous regression testing.

Software Engineer (1999-2007)

Developed and maintained "Pure Java" multi-platform (UNIX; Windows) Graphical User Interface (GUI), for SMARTS System Assurance Manager network connectivity / service availability management product.

- Designed and implemented many new action dialogs and status display panels for new product GUI function.
- Analyzed and resolved numerous bugs in the product.
- Facilitated Field Support reps to help communicate -- explain and straighten out -- problems with customers.
- Handled all user interface problems single-handedly for an extended period while the product was moved from the U.S. to India.
- Continuous regression testing.

ADDITIONAL RELEVANT EXPERIENCE

GROLIER EDUCATIONAL – Bethel, CT
Systems Administrator

INSTITUTE FOR LEARNING TECHNOLOGIES, COLUMBIA UNIVERSITY – New York NY
Web Developer

IBM CORPORATION, RESEARCH DIVISION – Yorktown Heights, NY
Staff Programmer

EDUCATION

Columbia University, Teachers College – New York, NY
Ed.D in Communication in Education

Dissertation: Communication: The Social Matrix of Supervision of Psychotherapy, UMI #9511056).

Master of Arts, Computing in Education

Yale University – New Haven, CT

Bachelor of Arts, Philosophy (Summa cum Laude). Phi Beta Kappa.

PUBLICATIONS

Reflecting on technology. *Science and Public Policy*, **2007**, 34(1).

Review of *Technology Matters: Questions to Live With*, David E Nye (2006).

Understanding who we conceive ourselves to be. *Science and Public Policy*, **2003**, 30(5).

Review of *Publics and Counterpublics*, Michael Warner (2002).

The Envelope as an Art Form: Computer-Aided Images. *Leonardo: Journal of the International Society for the Arts, Science and Technology*, **1984**, 17(1).

Introduction to my computer graphic art.