

Michael L. Henderson

Healthcare Informatics Consultant Certified HL7 Control Specialist

Education	1980 - 1984	Wheeling College	Wheeling, W.Va.
		BS, Mathematics (Computer Science)	
		<ul style="list-style-type: none">Was graduated <i>magna cum laude</i> with final GPA of 3.76.	
Professional experience	1/2001 –	Eastern Informatics/OTech Inc.	Silver Spring, Md.
		Consultancy	
		<ul style="list-style-type: none">Providing medical informatics analysis, engineering, and training to a worldwide client and student list, specializing in the Health Level Seven (HL7) , DICOM (Digital Imaging and Communications in Medicine) standards and the IHE (Integrating the Healthcare Enterprise) Technical Framework.	
	1/2000 – 12/2000	Kaiser Permanente	Pasadena, Calif.
		Systems Architect Consultant/Specialist	
		<ul style="list-style-type: none">Assisted in creating development and testing architectures for national Clinical Information Systems (CIS) product. Produced and executed Perl-based test suites for NEON TDM product implementation. Trained managers, analysts, and developers in use of Health Level Seven (HL7) standard. Advanced KP messaging proposals before HL7 committees.	
	3/1999 – 1/2000	Kaiser Permanente	Silver Spring, Md.
		Application Programmer/Analyst	
		<ul style="list-style-type: none">Designed, coded, and tested administrative modules for National Insurance Solution (NIS). Produced TDM production objects, MUMPS routines, and Oracle7 PL/SQL stored procedures in support of benefits display and third party coverage functionality.	
	6/1997 – 3/1999	Kaiser Permanente	Silver Spring, Md.
		Senior Programmer	
		<ul style="list-style-type: none">Supported Pharmacy module of integrated MUMPS-based information system. Developed and supported HL7 and MUMPS OSI-based Interactive Voice Response (IVR) application components for pharmacy refill and appointment scheduling. Created HL7 message engine and query engines for MUMPS IS. Trained new programmers in functionality and maintenance of MUMPS IS.	
	9/1994 – 5/1997	Antrim Corporation	Plano, Tex.
		Senior Programmer/Analyst	
		<ul style="list-style-type: none">Developed, installed, and maintained HL7 and ASTM 1238 interfaces on client implementations of the ANSWERS™ Laboratory System. Maintained Blood Bank module and upgraded to ISBT 128 labeling standards.	
	2/1992 – 9/1994	U.S. Department of Veterans Affairs	Silver Spring, Md.
		Systems Analyst (GS-12)	
		<ul style="list-style-type: none">Upgraded Medicine/Procedures package code to conform to latest MUMPS standard. Maintained Oncology Tumor Registry package. Trained programmers and customers of Washington Information Systems Center on use of the VA Kernel and VA File Manager.	
	6/1986 – 10/1991	Qualified Investors Management Corporation	Frederick, Md.
		Director of Management Information Systems	
		<ul style="list-style-type: none">Maintained QUADS Retirement Plan software on MUMPS/DOS platform.	
	4/1984 – 6/1986	National Labor Systems	Frederick, Md.
		Programmer/Analyst	
		<ul style="list-style-type: none">Installed and maintained Trust Fund Accounting System for labor union health and welfare plans. Developed fully adjudicated claims processing module in MUMPS.	

Recent publications

HL7 Messaging. Aubrey, Tex.: OTech, 2003.
Study Guide for the Health Level Seven V2.3 Certification Exam. Aubrey, Tex.: OTech, 2002.
"Part 4: The Role of Existing Standards in IHE" (co-author). In Channin DS, "Integrating the Healthcare Enterprise: A Primer" (series). *RadioGraphics* 21 (November 2001), 1597-1603.

Additional professional activities

Scientific program referee:

- AMIA Annual Symposium, 1999-2002
- Association for Computing Machinery (ACM), SAC COMPAHEC 2003.
- International Medical Informatics Association (IMIA), MedInfo 2001.

University of Ballarat (Australia): Lecture, "Achieving Healthcare Enterprise Integration Through Messaging Standards," August 2002.

Health Level Seven tutorial, "HL7 V2.x Conformance Using Message Profiles" (co-instructor), 3rd Annual International Affiliates meeting, Melbourne, Australia, August 2002.

Healthcare Information Management and Systems Society (HIMSS): Tutorial instructor, "The HL7 Messaging Standard: Current and Future Directions," 2001 Annual Meeting, New Orleans.

American Medical Informatics Association (AMIA): Tutorial co-instructor, "Introduction to XML", 1999 Annual Meeting, Washington.

Professional memberships

Health Level Seven (HL7), voting member:

Leadership Positions:

- Co-chair, Control/Query Technical Committee
- Facilitator, Query Task Force
- Lead tutorial instructor, V2 Standards Track

Participations:

- Conformance Special Interest Group
- Structured Documents Technical Committee
- Technical Steering Committee
- Publishing Committee
- Organization Review Committee

Editorships:

- Chapter 2, "Control", co-editor (V2)
- Chapter 5, "Query", co-editor (V2)
- "Infrastructure Management," co-editor (V3)

AMIA: Voting member.

IHE: Co-chair, IT Infrastructure Technical Committee.

References

Available upon request.