

SONDRA R. RENLY

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EDUCATION

University of Wisconsin – Madison Master of Science in Computer Sciences, May 2004
Bachelor of Science in Medical Technology, May 1995

HIGHLIGHT SKILLS

Program languages – C, C++, Java, Visual Basic, MUMPS/Cache, SQL, HTML, XML, XST
Healthcare interoperability – HL7v2, HL7v3 CDA, LOINC, SNOMED-CT, IHE, XDS, XD-LAB
Databases – MySQL, MS SQL Server, Oracle

WORK EXPERIENCE

IBM Almaden Research Center, San Jose, CA
Apr 2006 – Present Senior Software Engineer
Epic Systems Corporation, Madison, WI
Sep 2002 – Mar 2006 Clinical Lab Research & Development (concurrent with graduate studies)
Aug 1997 – Aug 2002 Cohort Public Health Lab Lead Technical Services
Saint Mary of Nazareth Hospital, Chicago, IL
Aug 1995 – Aug 1997 Medical Technologist, Generalist

Senior Software Engineer

Adapted IBM's Health Information Exchange (HIE) to begin addressing public health use cases.
Collaborated with global research team on development of a web based surveillance application.
Prepared and led feedback workshops with participants in Israel, Jordan, and Palestine.
Coordinated new requirements feedback into LOINC, SNOMED, IHE, HL7, and HITSP organizations.
Co-authored the IHE XD-LAB profile adding public health requirements and new templates.
Contributed code and support to the IHE Profiles project in the Open Health Tools (OHT) community.
Completed two large United States government grant whitepapers and project proposals.
Presented at over 40 conference and customer engagements including WHO, CDC, HIMSS, and PHIN.
Awarded an IBM Research Outstanding Technical Achievement Award and a Laboratory Accomplishment.

Clinical Laboratory Research & Development

Prepared and reviewed other's design documents and completed development projects in Cache.
Ensured team's additions to data model met application performance and reporting standards.
Lead internal software analysis sessions with team leads to keep application on target.
Attended sales and implementation meetings to report application progress and gather feedback.
Created design specifications for new clinical laboratory information management system.
Prepared and delivered software demonstrations to potential clients.

Cohort Public Health Lab Lead Technical Services

Managed a diverse team filling roles in technical services, quality assurance, and documentation.
Provided developers with design & functionality requirements for new system features.
Filled lead sales role in acquisition in a multi-million dollar public health contract for a LIMS implementation.

Medical Technologist, Generalist

Performed complex testing of blood and body fluids in laboratory core and blood bank areas.

PUBLICATIONS

Sondra Renly, Sarah Knoop, James Kaufman, Roni Ram. "Creating CDA R2 Laboratory Reports to Meet Public Health Surveillance Requirements", Proceedings, 9th International HL7 Interoperability Conference (IHIC 2008), 98-102, 2008, Crete, Greece.

Sondra Renly, Sarah Knoop, Roni Ram. "Show Me Your CDA: Public Health Laboratory Reports". 9th International HL7 Interoperability Conference (IHIC 2008) ShowMeYourCDA, 2008, Crete, Greece.

Boaz Carmeli, et al., and Sondra Renly. "Public Health Affinity Domain: A Standards-Based Surveillance System Solution.", In "Intelligence and Security Informatics: Biosurveillance", Proceedings of the second NSF Workshop on Biosurveillance 2007, Lecture Notes in Computer Science, vol 4506, 147-158, 2007, Springer Berlin / Heidelberg.

Srivatsava R. Ganta, Eishay Smith, Sarah E. Knoop, Sondra R. Renly, James H. Kaufman, "The Eclipse Open Health Framework", Proceedings, 5th International Conference on the Management of Healthcare & Medical Technology (HCTM 2006), August 17-18, 2006, Chicago, IL.