

# Jonathan Riscica

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Shrewsbury, MA 01545

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## OBJECTIVE

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Seeking a full time Clinical Engineering position utilizing biomedical engineering and managerial experience.

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## EDUCATION

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### University of Connecticut – Storrs, CT

- Master of Science, *Clinical Engineering* GPA: 4.00/4.00 Graduation – May 2012
- Bachelor of Science, *Biomedical Engineering* GPA: 3.48/4.00, *Honors Scholar* Graduation – May 2009

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## RELATED WORK EXPERIENCE

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### UMass Memorial Medical Center – *Clinical Engineer*, Worcester, MA

Aug 2010 – Present

- Managed multiple campus installation of a wireless temperature monitoring system. Process included user and technician training, network and server configuration, drafting original maintenance procedures, customizing alarm escalations, and high level committee meetings to approve new hospital policies.
- Conducted a thorough revision of Clinical Engineering departmental procedures to ensure compliance with regulatory agencies (DPH and TJC). Tasks included production of formal documentation approved by upper level administration and standardized process improvements for equipment management.
- Rewrote and expanded preventative maintenance tasks for all high risk equipment throughout the hospital with technician and vendor information, improving patient safety and quality of technician work.
- Led a bariatric bed evaluation with clinician, vendor, and managerial input, leading to a \$250,000 purchase. Considered ECRI recommendations, organized a vendor fair and multi-week demo, and conducted statistical analysis of hospital staff surveys during decision process.
- Implemented Lean Manufacturing and Project Management principles to reorganize service call escalation format. Improved overall efficiency and accuracy of information reaching technicians from hospital users. Updated Intranet website with customized support information regarding department assignments, technician schedules, and process flow charts.
- Assisted with insourcing Ultrasound transducer test procedure and equipment, saving hospital over \$300,000 in yearly calibration costs.
- Evaluated multiple RTLS systems using a customized test and questionnaire procedure.

### Apple, Inc. – *Specialist*, Stamford, CT

Dec 2009 – Aug 2010

- Taught customers of various education levels, translating technical ideas into easily understood language.

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## APPLICABLE EDUCATION EXPERIENCE

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### Graduate Coursework

Aug 2010 - Present

Engr. Problems in Hospitals

Medical Device Accidents

Clinical Instrumentation Systems

### Entrepreneurial Senior Design Project

Aug 2008 – May 2009

- Researched, designed, and prototyped a novel mechanism to assist doctors with leg procedures.

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## HONORS AND SOCIETIES

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American College of Clinical Engineering (ACCE), *Member*

Sept 2010 – Present

New England Society of Clinical Engineers (NESCE), *Member*

Sept 2010 – Present

Northeastern Bioengineering Conference (NEBEC), *Presentation of Senior Design Project*

April 2009