

David E. Pillittere

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Professional Summary

Biomedical engineer with healthcare experience utilizing project management, problem solving, organizational, and systems redesign skills to increase the efficiency of medical technology management and patient care.

Education

UNIVERSITY OF CONNECTICUT: STORRS CONNECTICUT

Expected Graduation May 2012

Degree: Masters of Science, Biomedical Engineering, Clinical Engineering

UNIVERSITY OF CONNECTICUT: STORRS CONNECTICUT

May 2010

Degree: Bachelor of Science, Biomedical Engineering

Work Experience

VA Connecticut Healthcare System, West Haven, Connecticut

Clinical Engineer as a University of Connecticut Graduate Assistant (30 hours/week) August 2010 – Present

- Manage \$62M worth of medical technology assets; assist in equipment evaluation, planning, procurement, installation, maintenance, and removal
- Evaluate and research new medical technology; Operating Room Equipment (Neurology, Ophthalmology, Cardiology, Anesthesia), Thermometers, AEDs, Defibrillators, Ventilators
- Monitor department performance in accordance with Joint Commission Standards to ensure adequate on-time work order and preventative maintenance completion
- Oversee service contract analysis on hospital medical equipment to increase coverage, reduce risk of equipment failure, and increase overall cost efficiency
- Training new staff members including 2 interns and a Biomedical Engineering Support Specialist in department and hospital Standard Operating Procedures
- Compiled and analyzed annual department performance data for the EBERS benchmarking program in accordance with national VHA initiatives and standards
- Developed and taught course on the proper use and labeling of medical equipment to clinicians in the hospital
- Utilized Lean Principles to redesign department processes that saved 50 hours of nurse FTE time annually
- Improved HIPPA compliance by restructuring the network into VLANs for secured medical devices and patient data
- Managed medical device hazard alerts and recalls in accordance to national patient safety initiatives

Monroe County Water Authority, Rochester, New York

Laboratory Technician as a seasonal employee (40 hours/week) Summer 2010

- Monitored water quality utilizing microbiological testing methods

University of Connecticut, Storrs, Connecticut

Residential Assistant as a full time undergraduate student (20 hours/week) Fall 2008 – Spring 2010

- Conducted floor meetings, facilitated staff and student communication, promoted student development
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Activities

Clinical Rotations, VA Connecticut Healthcare System, West Haven, Connecticut

August 2010 – Present

- Observed clinical workflow and interaction between medical equipment and patients in various departments of the hospital; Radiology PACS, Nuclear Medicine, Operating Room (Neurology, Ophthalmology, Urology, Cardiology), Laboratory, Emergency Department, Primary Care, Dental, Ophthalmology, CT, and X-Ray

Biomedical Research, University of Connecticut, Storrs, Connecticut

Fall 2009 - Spring 2010

- Thermoacoustic Flow Cytometry, Soft Tissue Three-Point Bending
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Leadership and Achievements

- LEAN Green Belt Certified, VA Connecticut Healthcare
- American College of Clinical Engineering (ACCE)
- Dean's List, Fall 2008, Fall 2009, Spring 2010
- New England Society of Clinical Engineering (NESCE)
- Residential Assistant (UConn Storrs, Connecticut)
- Biomedical Engineering Society (BMES)