

Mary Shine

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EDUCATION

University of Connecticut – Storrs, CT

Master of Science in Biomedical Engineering, concentration in Clinical Engineering	4.0 GPA	May 2019
Bachelor of Science in Biomedical Engineering	3.4 GPA	May 2017

PROFESSIONAL EXPERIENCE

Clinical Engineer –Hartford Hospital, Hartford, CT

August 2017 to Present

Department Experience

- Developed system-wide Medical Equipment Management Plan and Alternative Equipment Maintenance Program with management and engineers to better comply with new Joint Commission requirements
- Manage documentation and organization of recalls, ECRI alerts, and device manuals
- Knowledge of HTM codes and standards including TJC, NFPA 99, and IEC 80001

Technology Upgrades

- Led software upgrade for Patient Data Modules and helped facilitate BD Alaris Pumps and Capsule SmartLinx upgrades
- Conducted a technology assessment for replacement of invasive hemodynamic monitors
- Documented and helped lead hospital-wide patient monitoring central station upgrade

Project Management

- Team member of multiple unit renovation projects including ICU, PACU, Rehabilitation, and Medical/Surgical units
- Manage unit decommissioning, incoming inspections, and installation of new equipment

Networking & Security

- Organized decommission of legacy perinatal monitoring servers and transition to historical record viewing system
- Improved patient monitoring network architecture and cybersecurity
- Basic Networking Certification, CTComp, Plantsville, CT

Clinical Experience

- Active member of Fall Prevention, Alarm Management, Noise Reduction, and Environment of Care Committees
- Consult on fall prevention measures including user education, instructional materials, and device investigations
- Collaborate with clinical staff and vendor for incident investigations related to patient monitors and central stations
- Complete clinical rotations in Medical/Surgical, ICU, OR, laboratory, dialysis, and diagnostic imaging areas

Clinical Engineering Intern – Massachusetts General Hospital, Boston, MA

May 2016 to August 2016

- Assisted with preventive maintenance of operating room devices
- Developed and rolled out modification for RF surgical wands
- Installed and verified RF thermometer tags on fluid warming cabinets
- Assisted in biomedical technical support calls

Junior Engineering Intern – P3I, Inc, Hanscom Air Force Base, MA

June 2013 to August 2015

- Wrote and verified instructional documents for Theater Deployable Communications team

AFFILIATIONS

Association for the Advancement of Medical Instrumentation (AAMI)
American College of Clinical Engineering (ACCE)
New England Society of Clinical Engineers (NESCE)
Alpha Eta Mu Beta, National Biomedical Engineering Honor Society
Phi Sigma Rho, Sorority for Women in Engineering, *Chief Financial Officer 2015*