

## EDUCATION

**University of Connecticut**  
*Master of Science in Biomedical Engineering*  
**Zhejiang University**  
*Bachelor of Science in Biomedical Engineering*

**Storrs, CT**  
*Expected May 2012*  
**Hangzhou, China**  
*June 2010*

## EXPERIENCE

### **Clinical Engineer**

*Middlesex Memorial Hospital, Middletown, CT*

*August 2010 – present*

- Medical Equipment Planning, Procurement and Installation
  - New Critical Care Unit, Intermediate Care Unit, and Progressive Care Unit (36 beds) - Smart Room technology, bedside monitoring systems, ventilators, smart beds, nurse call system
  - Philips bedside monitoring system, telemetry system and ITS network expansion for medical floors
  - Syringe pump replacement for operating rooms and maternity department
- Assist in biomedical device integration and interoperability
  - Integration of medical devices in operating rooms and recovery area, CCU/IMCU, maternity department, and off campus surgery center into hospital EMR (Cerner Millennium)
- Technology evaluation, product comparison and procurement of RFID/RTLS system
  - RFID/EMR integration
  - Oversee full-house installation and interfacing with Cerner MyStation
- Develop first in-house failure mode and effect analysis (FMEA) for several projects
  - Medical device integration (includes operating rooms on-campus and off-campus, CCU/IMCU)
  - CCU/IMCU relocation, and replacement of fetal monitoring system
- Participated in wireless radio frequency interference investigation
  - On 1.4GHz, 2.4GHz, 5 GHz and Zigbee network
- Prepare quarter and annual Environment of Care (EOC) reports, Joint Commission reports
  - Attend quarter and annual EOC meeting and present department performance and quality indicators
- Database management
  - Review and update PM schedule and asset information
  - Scrubbing CMMS (Four Rivers TMS) information in accordance to ECRI standards - in progress
  - CMMS upgrade and integration with RFID system - in progress
- Recall Management
  - Manage 262 Hospira Plum A+ infusion pumps alarm testing and follow-up action
- Corrective and preventive maintenance experience ranging from scale to infusion pumps

### **Biomedical Engineering Intern**

*Kiang Wu Hospital, Macau Special Administrative Region, China*  
*Zhejiang 1<sup>st</sup> Providence Hospital, Hangzhou, China*

*August 2009 – October 2009*

*July 2009 – August 2009*

### **Research Assistant**

*Key Laboratory of BME of Ministry of Education, Zhejiang University*

*September 2009 – June 2010*

- Master data analysis software: Matlab, LabView, and Excel

## PROFESSIONAL AFFILIATION

- American College of Clinical Engineering (ACCE)
- Association for the Advancement of Medical Instrumentation (AMMI)
- New England Society of Clinical Engineering (NESCE)

## SKILLS AND OTHER LANGUAGE

- Microsoft Office including Project Management and Visio
- Mandarin, Cantonese, Japanese