
PROFESSIONAL EXPERIENCE

MEDTRONIC, Boulder, CO

Packaging Engineer (Consultant), Minimally Invasive Technology Group *Dec 2018 – Present*

- Packaging validations and project management • Packaging design • Packaging design verification • Packaging aging/stability analysis • Simulated transportation/ship testing • Sterile barrier system testing • Authoring protocols and reports • Risk based sample size determination • Cost benefit analysis

BOSTON SCIENTIFIC, Maple Grove, MN

Quality Engineer II, Catheter Assembly, Coating, and Packaging *Jul 2018 – Sep 2018*

- Manufacturing quality support • Nonconformance root cause investigation • Product disposition • Process monitoring • Investigation of failure mode shifts • Manufacturing process changes • Equipment qualification and process validation • Production stop and release • Process optimization via DOE (Design of Experiments)

Quality Engineer I, Catheter Assembly, Coating, and Packaging *Oct 2016 – Jul 2018*

- Manufacturing nonconforming event investigation, scoping, containment, disposition, and CAPA (Corrective and Preventative Action) • Risk assessment associated with manufacturing nonconformances and process changes • Test method validation • Implementation of new manufacturing requirements • Quality system compliance • Continuous improvement and auditing champion for business unit

Quality Technician III, Particulates Test Lab *Oct 2014 – Oct 2016*

- Particulates test method development and validation • Initial design and continuous improvement of analytical measurement systems • Equipment development and installation qualification • Statistical analysis • Authoring test methods, validation protocols and reports, technical reports, equipment OMC's (Operation, Maintenance, Calibration), work instructions, and data forms

Quality Technician II, Particulates Test Lab *Sep 2013 – Oct 2014*

- Simulated-use Particulates testing for catheter based cardiovascular devices including balloon catheters, stent-delivery-systems, guide sheaths, and guidewires • Experimentation and hypothesis testing • Troubleshooting of equipment and processes • Technical writing and documentation • Operator training

EDUCATION

American Society for Quality

ASQ-Certified Six Sigma Black Belt

July 2017

North Hennepin Community College

Certificates for Application & Object-Oriented Programming in Java

May 2017

A.S. Mathematics

May 2016

University of Minnesota Duluth

B.S. Biology | Minor in Chemistry

May 2013