

Robert DARNEAL

Sr. Program Manager | Data driven, Strategic Leader

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Strategic program manager with 10 years of experience in the medical device industry covering a broad background of engineering, quality, and financial planning. Leader in complex, highly visible teams requiring close coordination and communication. Passionate about data, optimization, and decision-making.

WORK EXPERIENCE & RESPONSIBILITIES

Present
January 2020

Sr. Program Manager, MEDTRONIC PLC, Irvine, CA

Financial Planning & Analysis, NEUROSCIENCE PORTFOLIO

- Led and leveraged cross-functional and cross-geographic teams to evaluate, develop and implement large scale process and technology improvement projects.
- Oversee the initiation and operational aspects of programs, liaison between PMO and leadership teams.
- Make and recommend program decisions balancing trade-offs between scope, schedule, and resources.
- Implement mechanisms for monitoring project progress and effectively escalating or develop resolutions to meet goals and objectives.
- Act as technical consultant for evaluation of key projects, financial scenario planning, optimization problem solving.
- Guide data driven decision-making processes through evaluation of risk, benefit, probability.

PowerBI Excel PowerPoint Project Visio Teams Oracle SQL Hyperion Crystal Ball

January 2020
November 2017

Engineering Program Manager, MEDTRONIC PLC, Irvine, CA

Quality Engineering, BRAIN THERAPIES

- Delivered large, complex programs that require cross-functional management (40+ team members) and ensure program results.
- Directly managed team of 6 engineers.
- Employ interpersonal and influence skills to promote collaboration, team motivation, conflict resolution, and creative problem-solving.
- Established site portfolio management process for project selection, prioritization, and resource capacity planning.
- Site leader for 'First Time Quality', Medtronic's lean manufacturing / defect reduction process.

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November 2017
November 2013

Sr. Quality Engineer, MEDTRONIC PLC, Santa Barbara, CA

Quality Engineering, CEREBROSPINAL FLUID MANAGEMENT

- Develop and execute strategies for design validation and process qualification, managing dependencies of 440 finished devices and 220 associated sub-components.
- Led and supported 57 Corrective and Preventative Actions (CAPAs).
- Author (of over 200+) technical master validation plans, protocols, reports, test method qualifications.
- Own and manage risk management files for medical device families.
- Determine qualification acceptance criteria, statistical sample sizes.
- Managed and conducted ISO 13485 and CFR 820 Part 11 audits to all contract mfg. locations.

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November 2013 August 2012	Engineering Technician, MEDTRONIC PLC, Santa Barbara, CA <i>Manufacturing Engineering, CEREBROSPINAL FLUID MANAGEMENT</i> <ul style="list-style-type: none"> ➤ Engineering project lead on over 20 manufacturing improvement projects, including: <ul style="list-style-type: none"> ➤ Implementing design and process improvements, validation, and qualifications. ➤ Improving process controls, lean manufacturing. ➤ Leading vendor and contract manufacturer selection. ➤ Managed project status reporting and developed solutions for project roadblocks. <div style="display: flex; gap: 5px; margin-top: 5px;"> MiniTab Agile PLM MS Office SolidWorks </div>
August 2012 December 2011	Associate Engineering Technician (Contract), MEDTRONIC PLC, Santa Barbara, CA <i>Manufacturing Engineering, AGENT OF APPLE ONE</i> <ul style="list-style-type: none"> ➤ Supported engineering staff in problem solving, root cause investigation, non-conforming material reports, protocol and report writing. <div style="display: flex; gap: 5px; margin-top: 5px;"> MiniTab Agile PLM MS Office SolidWorks </div>

HIGHLIGHTED PROJECTS

INTEGRATED BUSINESS PLANNING PROCESS DEPLOYMENT 2020 - PRESENT

Implemented Executive Sales & Operations Planning (S&OP) process across 5 Operating Units, 11 core therapies/businesses, and 14 global sales organizations.

Results:

- *Neurovascular business achieved 3.5% market gain, 12% Revenue Growth, and >97% service.*
- *Neurostimulator business reclaimed market share after disruptive competitive entry.*
- *Improved speed to decision in Neurosurgical Robotics business leading to \$50M revenue upside.*
- *Optimized inventory in Spine business and phase-out strategies after new acquisition.*
- *Neurostimulator business minimized inventory write-off by \$1M.*

EXECUTIVE DIGITAL DASHBOARD 2020 - PRESENT

Acted as executive product owner in creation company-wide key performance indicator dashboard used across all Medtronic business units. Standardized, automated calculations and graphical displays of financial and operational measures. Led full-stack data development team.

Results:

- *Standardized performance management framework used to measure all Medtronic businesses.*
- *Consolidated central data lake Oracle SQL server from multiple source systems.*
- *Eliminated 20,000+ hours of work related to PowerPoint development and data crunching.*
- *Performed live demo of digital dashboard to Medtronic Executive Committee (CEO, CFO, COO) resulting in go-live decision for all 4 Medtronic Portfolios and 21 Operating Units.*

MDD REMEDIATION 2017 - 2019

Program lead for remediation effort (510K, CE Mark) of 14 medical device families. Planned and directed 14 intersecting project teams and 39 resources. Managed 6 direct reports including Sr. and Pr. Engineers.

Results:

- *Estimated, obtained, and controlled \$4.2M project budget. Finished on time and within budget.*
- *Successful completion allowed devices supporting \$200M annual revenue to remain on market.*
- *Resolved several major quality gap discoveries through investigation and corrective action.*
- *Team authored 400+ technical documents.*
- *Designed, developed, tested, and implemented 9 new sterile packaging configurations.*

PROJECT STINGRAY - MEDICAL DEVICE MANUFACTURING TRANSFER 2016 - 2019

Led quality engineering team in \$14M class III finished medical device manufacturing transfer project.

Results:

- *Relocated 60K sq.ft mfg. facility and process from California to new facility in the Dominican Republic.*
- *Relocated 30K sq.ft Silicone and Thermoplastic Molding and Extrusion work centers from California to Illinois.*
- *Delivered \$50M improvement to gross margin post-transfer.*
- *Obtained mfg. site certification from FDA and CE notified body for new manufacturing locations.*

EDUCATION

BACHELORS OF SCIENCE - BIOLOGY, *University of California, Santa Cruz*

2010

SKILLS

Project Management	Planning, Selection, Prioritization, Risk Management, Waterfall, Agile, Scrum, KanBan
Executive S&OP	Product Introduction and Phase Out, Demand Forecasting, Capacity Planning
Scenario Planning	Decision-making, EMV, Oracle Crystal Ball, Monte Carlo
Statistics	ANOVA, DOE, t-tests, Confidence Intervals, Probability, Sample Size
Medical Devices	Design Changes, V&V, Process Qualification, TMV, EtO Sterilization, Packaging
Regulations	MDD, MDR, 510K, PMA, CFR 820, ISO 13485, ISO 11607, ISO 22442
Lean Sigma	5S, Poke Yoke, Value Stream Mapping, Design for X
Root Cause	CAPA, Non-conformances, Ishikawa, 5-Whys, Quality Tools
Software	MS Office, PowerBI, Project, Visio, Oracle Agile PLM, Hyperion, TrackWise, SolidWorks
Programming	Python, \LaTeX , SQL, DAX, M

CERTIFICATIONS

Project Management Professional - Certificate ID: 2314732 - <i>Project Management Institute</i>	2019 - 2022
Certified Six Sigma Black Belt - Certificate ID: 21546 - <i>American Society for Quality</i>	2019 - 2022

INTERESTS

Technical Learning	Python, SQL, Machine Learning, Forecasting, Trading
Reading	Science Fiction, Fantasy, History, Business
Sports	Snowboarding, Biking, Scuba Diving
Hobbies	Photography, Guitar, Photo editing