

Eamon Needham

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Profile:

I am a hardworking, diligent worker with excellent engineering experience. I work very well as part of a team and I am also perfectly equipped to work alone under my own initiative. I studied Biomedical Engineering in the University of Limerick, Ireland achieving a 2.1 degree and a 3.3GPA. I have valuable experience working in BCD Engineering and Johnson & Johnson Vision Care Ireland, where I was required to apply my knowledge of engineering to derive and implement solutions within a professional work environment. During my time in Vision Care I always display creative thinking, problem solving skills and technical knowledge and apply these skills to complex problems. I feel I am genuine, honest and have a good sense of humour. I am a quick learner and I am always looking to challenge myself.

Career History:

Mechanical Engineer, Johnson & Johnson Vision Care, Inc, Limerick Present

5/09/2016 –

Vision Care Limerick (formally Vistakon) is the main production plant of the world's number 1 contact lens brand, Acuvue. I work as a mechanical engineer, with my current role being lead lens fabrication engineer.

- I have worked in a wide variety of areas thanks to progressing through the graduate program. I am now the lead lens fabrication engineer for the 2GT (second generation technology) lines in the plant, I am solely responsible for the yield up-time and cycle-time of the Cell and its interaction with the other Cells in the production lines.
- Production Support - Troubleshooting, Standardisation, Procedural Creation/Updates, Training.
- Development, Management and Implementation of CIP Projects and plans to meet Business Plan commitments.
- Strong Problem Solving, Lean and Continuous Improvement knowledge and experience
- Supervise the work of others, technicians, contract resources, external sub-contractor companies.
- Work and Lead the Project Management of major Capital Projects, CIP, NPI, Equipment Ramps, CAPAs, Mechanical equipment excellence program
- Recently managed the introduction of new pry fingers to a line. Resulting in a 2% increase in yield off the line and a significant reduction in downtime.
- Completing weekly IPC (Intrinsic Process Capability) reports for management.
- Work closely with health and safety to ensure safety conditions of the highest standard within my responsible areas.
- Strong knowledge of Cognex operated vision and inspection systems.
- Strong knowledge of FMEAs, CRs, CAPAs.
- Sourcing, dealing with suppliers, etc.

Design Engineer, BCD Engineering, Charleville, Co. Cork 25/08/2015

28/05/2016 –

BCD is an engineering company who design and build vats and skids for clients in the bio pharma, brewing, food, and dairy sectors. My duties in BCD included:

- Carrying out Factory Acceptance Testing (FAT) on large vessels and skids.
- Working as part of a team in the design and testing of various vessels of varying size.

- Working in the pricing and estimation department of the business.
- I have a good knowledge of reading and working with P&IDs (Piping and Instrumentation Diagrams).

Student Engineer, Imtech Suir, Waterford
2/08/2015

22/06/2015-

- I worked for Imtech Suir in the Merck Sharp & Dohme plant in Ballydine, Co. Tipperary.
- In my role as engineer I would assess the work that was to be done for the following day each evening and along with the foreman we would formulate a plan of the best way to approach the task at hand.
- It was my duty to communicate to the teams of electricians what work was to be carried out each day and who was to perform which tasks.
- I prepared all paperwork for the jobs we were undertaking each day. This included many safety related permits such as hot work permits, work at height permits, and confined space permits.
- I would also deal with people from the company we were contracted by in relation to paperwork and health and safety requirements.

Undergraduate Mechanical Engineer, Medtronic, Inc. Galway
23/01/2015

29/05/2014-

- I acquired excellent teamwork skills from this placement as I worked as part of a team creating the next generation of catheter and stent system, the DFS stent.
- I am very familiar with working in a production environment. I was working in a cleanroom during my time here so I am very familiar with all the responsibilities which go with this such as being gowned up and adhering to specific cleanroom guidelines.
- I worked in R&D labs using high-end equipment such as MicroVus and high tech industrial coating machines.
- I was part of multiple COS projects within the company which are effectively projects aimed at bringing in lean sigma methods into the workplace to improve and add value to the production stages. I worked on a project which completely striped back our catheter line and reimaged it as a line completely adhering to lean sigma methods.
- I created all the appropriate paperwork involved in a build being produced on a commercial production line and worked with all the equipment on the production line, from running tests with them, to repairing them, to producing product with them.

Education:

University of Limerick,

B.Eng. in Biomedical Engineering

I have studied many varied modules, such as Mechanics, Creo (solidworks), Physiological Fluid Mechanics, Dynamics, Materials, Chemistry, Industrial Organisation, and Production. I achieved a 2.1 grade with a 3.3 GPA

September 2012- May 2016

Presentation Secondary School Ballingarry,

I received 500 points in my leaving certificate including an A1 in higher level Physics/Chemistry, an A1 in Agricultural Science, an A2 in higher level Biology, and a B2 in higher level Maths.

September 2006- May 2012

Training and Qualifications:

- I am a holder of a full Irish driving license.
- Manual handling training.
- Confined Space training.
- Safe pass course.
- Industrial Pneumatics training – QQI Award.
- Continuing Professional Development Program – DIT, 5ECTS at Level 9.
- Statistics with MiniTab - Regression and Capability Training.

IT Skills and Languages:

- Highly skilled using Microsoft Office including Word, Excel, PowerPoint and Outlook. I am also able to use MatLab, Creo, SolidWorks and MiniTab. I studied modules in college focusing on Matlab and Creo.
- I have completed Statistics with MiniTab - Regression and Capability Training during my time in Vision Care
- I have a conversational level of both Irish and French from studying them for my leaving certificate.

Interests:

I have a strong interest in engineering; I am a member of Engineers Ireland. I have a strong passion for sport, having played GAA from a young age and captaining many teams, I continue to play with my local club St. Patricks. I also have a very strong interest in golf, boxing and soccer, all have which I have actively played during my teenage years. I am a big lover of music and I am an accomplished guitar player.

References:

Tommy O' Donoghue, Senior Mechanical Engineer, Johnson & Johnson Vision Care, Limerick - 0877531577

John Murphy, Manufacturing Engineer Medtronic, Inc. – 0863493550