Dean Foulds

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Born 28 May 1980

Personal statement

I am a current Open University student who has recently passed MST125 mathematics. I am previously completed MST121, MST124 and S104 discovering science which accounts for 180 credits towards my mathematics and physics Bsc(Hons). I have a very inquisitive scientific mind with an affinity for problem solving and analysis. My ambition is to find employment in a technological environment to use the skills and knowledge I have acquired to avail that position. I am a very dedicated and diligent person with excellent attention to detail and use a very scientific method in everything I do. I am a fast learner and always looking to add qualifications to my portfolio, at the moment I am completing a machine learning course with Stanford University. I estimate completing this in February 2020. In my spare time I like to ski and computer program, my key skills in this area include Ruby, Python, Maxima, Angular, Ionic and graph databases.

Employment history

Self employed Web Developer and Flight Instructor
(Dec 2009 to present)

Achievements and responsibilities:

- Lead developer and Git version collaboration manager Minerva Ballet and Civic Reactor
- Team lead for two Angular applications (Care Home and SPANA)
- Leader of unit and end to end test development
- Lead Ruby on Rails Developer at Minerva Ballet Company
- Project lead React development on Minerva Rails project (Ongoing)
- Lead UX manager for SPANA animal application
- Backend Python/Docker specialist for marketing application(Graph Database)
- API designer for Minerva ballet

Quality Engineer, PGT Ceewrite, Mitcham, Surrey
(May 2015 to December 2016)

Achievements and responsibilities:

- Designed and implemented quality manaagement system to AS9100 Rev C, created change management process flow charts, 8D, Value Stream Mapping, basic statistics, control charts, and Lean Daily Management (LDM)
- Ensured compliance to ISO9001, AS9100 and customer specifications
- Prepared PPAP documents; Control Plan, Flow Charts, Process Drawings and PFMEA
- Lead Advanced Product Quality Planning activities, Process Changes and Quality improvement plans. Completed in house SPC activities
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Quality Engineer and Mechanical Inspector (Contract), Ametek Aerospace, London
(October 2013 to March 2014)

Achievements and responsibilities:

- FMEA and PFMEA activities. Follow up of rejection notes and route cause analysis
- Ensured compliance to EASA part 145, 21 and FAR part 145 audits, ISO9001, compiled FAIR's
- Lead Advanced Product Quality Planning activities, Process Changes and Quality improvement plans. KPI data presentation
- Mechanical and CMM inspection of aerospace and medical instruments.
- Programming and reprogramming of manual CMM programs.
- Implemented clean room standard operating procedures.

First Officer (Contract), Skybus, Lands End, Cornwall
(December 2012 to September 2013)

Achievements and responsibilities:

- Summer contract DHC6 pilot, island discipline, based in Newquay, Cornwall

Production Planning Electrical Engineering, Gill R & D, Lymington, Hampshire
(April 2010 to September 2012)

Achievements and responsibilities:

- Responsible for an NPI military project manufacturing. Lean manufacturing laboratory set up.
- Producing drawings and process planning including production and test procedures
- Development of project charter, established and monitored budget management.
- Responsible for managing project team of 10 and an engineering team of 20 plus

Project Manager, Eaton Aerospace, Fareham, Hampshire
(February 2007 to April 2010)

Achievements and responsibilities:

- Responsible for £5 million aircraft gimbal and military air ducting for Eurofighter
- Introduction of KPI and PDR assessments.
- Lead a project team of 30 people in house and managing external resources.

Flight Test Engineer, BASCO, Bournemouth, Dorset
(March 2006 to December 2006)

Achievements and responsibilities:

- Ensuring cards are signed correctly, responsible for logging aircraft incoming defects and completing FTM post test.
- Responsible for signing the aircraft release to service certificate.
- I gained knowledge of SAP, Lotus Notes and AMOS software to raise work packs, labour lock, engineer time keeping records and the closing of work packs.

Vehicle Mechanical and Electrical Engineer, Volvo Car UK, Daventry
(July 1996 to May 2001)

Achievements and responsibilities:

- Design and development of multiplex vehicle systems

Education

Stanford University
Machine learning 2019-2020

Le Wagon
Bootcamp and product management bootcamp 2016

Open University
(September 2012 expected completion June 2020)
Mathematics and Physics BSc(Hons)

Goethe Institute, Freiburg
(December 2014 - January 2015)
Deutsch Sprachkurs A1-B1

Learning People
(May 2013 - September 2013)
PMI Project management Prince2 Agile and CAPM

Bournemouth Commercial Flight Training, Bournemouth, Dorset
(February 2004 - March 2006)
Airline Transport Pilots Licence and Flight Instructor Rating.

Mid-Kent College, Maidstone, Kent
(September 1996 - May 2001)
NVQ level 3 Motor Vehicle Mechanical and Electrical Engineering

Swadelands School Comprehensive, Maidstone, Kent
(September 1994 - June 1996)
7 GCSE 5 A-C including english, maths, science and design

Languages

English	Mother tongue
German	Independent (B1)
French	Basic (A2)