

Michael Grant B.Sc. (Hons.)

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Education

School / University	Level	Course	Grade
2007 - 2010 Staffordshire University	B.Sc. (Hons.)	C.G.I. And Animatronics	2:2
2005 - 2007 Abingdon and Witney College	B.N.D.	Media (Moving Image)	MERIT / MERIT / MERIT
1999 - 2006 Marlborough School, Woodstock	A Level AS Level GCSE	I.C.T. Design Technology 9 x Subjects (Inc. Maths / English and Science)	D E A-C

Professional Qualifications

Bath University - F.P.1	18 - 21/12/2020
N.F.P.C. - Level 1	17/10/18
N.F.P.C. - CETOP Level 1	18/10/18
N.F.P.C. - Electrical / Electronics - Mobile	13 - 15/5/2019

JIB Training	6/8/2019
Fire Warden	4/7/2018
Evac Chair Training	5/7/2018
First Aid at Work	11/10/2018

Previous Qualifications:	
C.I.E.H. - Level 3 - H&S in the Workplace (Distinction)	27/9/2013

CSCS Supervisor

Work Experience

Hydac Technology Ltd	Jan 2026 - Present	Engineering Coordinator
	Oct 2017 - Jan 2026	Engineering Technician
Zetica	July 2015 - Oct 2017	Equipment Manager
Debenhams	Sep 2015 - May 2016 (PT)	Technical Services Advisor
	Sep 2012 - July 2015 (FT)	
Mid-Counties Co-Op	Dec 2011 - Sep 2012	Assistant Manager
	Jun 2011 - Dec 2011	Duty Manager
	Apr 2008 - Jun 2011 (PT)	Customer Service Advisor

Achievements

Debenhams	"Employee of the Month"
	"Regional Store of Excellence Winner"
Staffordshire University	"Above and Beyond the Call of Duty"
Abingdon and Witney College	"Best Team Player"

Skills

- Microsoft Office
- Pro/Engineer Wildfire / Solidworks / Draftsight
- 3DS Max / Maya
- Work Shop Skills
- (Chop Saws / Pillar Drills / Soldering / Calipers / Hand Tools / Multimeter
- Reading / Creating Hydraulic / Mechanical and Electrical Drawings
- P.A.T Qualified
- SAP Software

Job Skills

Hydac

I work in the engineering department where my duties include:

- Updating Drawings / Schematics and Models, whilst distributing to the correct people using Change Notes
- Testing new hydraulic products for failures, including maximum working conditions and flow rates.
 - Fatigue Testing: BS ISO - 10771 - 1 2015 // PD ISO TR 10771 - 2 2008
 - Delta P Testing: BS ISO 3968
- Documentation
 - Report Writing
 - Assembly and Test
 - Assembly Drawings / GA's / B.O.M.'s
 - Creation of new Assembly and Test Procedures
 - Creating Manuals for Equipment
- Large / Multi Year Projects
 - Sub Sea Filters
- Rationalisation and Reduction of Multiple Part Numbers
 - 10k Part Numbers Obsoleted
 - Change over to new Part Numbers on live products.
- Creation of New Products
 - New Designs
 - Manifolds / Assemblies
 - Filters / Assemblies
 - Internal Advertisement and New Product Presentation
- Production Handover / Middleman
 - I work with the production department to handover prototype projects to production.
 - I work with the Quality team and Production staff to troubleshoot production issues as well as customer returns.

Zetica

Planning equipment allocation and hiring of equipment from 3rd Party Companies

- I was also in charge of getting equipment calibrated to the correct standard and with the correct deadline to minimise down-time.
- General upkeep and repair of equipment, Including equipment old enough that "off the shelf replacements weren't available.
- Creating basic Electrical and Mechanical drawings for any future repairs was also part of the job.
- I would also keep track of breakages and failures modes for analysis.

Hydac and Zetica

- Due to the equipment being Used meant I had a good understanding of Metric and Imperial measurements.
- Design and Manufacture / Assembly of extruded aluminium profiles, into safety screens, rigs for mounting sensors.

Hobbies

I enjoy working with robotics and simple programming, like Arduino. I have created simple PCB's with through hole components.

I have created from mixing kits an object avoiding rover / robot. I am also looking at creating an animatronic "Robot Style" head. This includes component specification to make sure all the component work together.

I have a working knowledge of reflow soldering and I am comfortable with component identification, but also how to research and find out more information.

I also enjoy learning, I have competed several Open University Short Courses.

I have also completed 2x CPD Accredited Courses 6.5 Hours (as of 23.11.24)