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Profile

A creative, technically proficient **MSc Engineering Graduate** with practical conceptual design engineering experience gained within two quality-driven, precision engineering companies

Communicative and intuitive, able to use initiative, plan and prioritise activities within time constraints. Tom is also able to demonstrate a strong track record of delivering complex technical presentations to international clients and engineers. **He now seeks a new challenge and immersion within the Korean culture and language.**

A Retained Fire-Fighter, with experience of working as part of a team within challenging, high risk and time critical environments.

Qualifications

2006 - 2007	MSc The Design of Rotating Machines Rotor Dynamics Fatigue and Fracture Noise and Vibration Management for Technology Data Analysis and CAD/FEA (Ideas) Machine Component Stress Analysis Thesis: Design and stress analysis of a rotary valve cylinder head	Cranfield University
2003 - 2006	BSc (Hons) in Automotive Technology Thermodynamics Vehicle Design and Production Solid Works and basic Auto CAD Quantitative and Computing Analysis CAD: Surface Modelling and FEA on Pro-Engineer and Solidworks	Sheffield Hallam University

Relevant Work Experience

2003 – 2006	Volunteering with Gomshall Motorcycle Club	Gomshall, Surrey
	The Gomshall Motorcycle Club was set up by the Community Police in response the high level of youth joy riding. It aimed to steer vulnerable youths away from crime and engage their interest for motorcycles.	
	The work involved teaching the young people how to repair and maintain the motorcycles which was rewarded by Saturday racing.	

Work Experience

2008 to date	Romax Technology Ltd.	Nottingham Science Park
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Design Engineer

Headhunted to join a world renowned transmission consultancy to design wind turbine gearboxes and provide technology transfer to international clients.

Main Activities

- Preparing and delivering technology transfer lectures to key Chinese and Korean engineers
- Providing one to one tuition to junior engineers and intern students
- Providing manufacturing support to Korean, Chinese and Indian manufacturing teams
- Project Managing the prototype and end of line testing of gearboxes
- Forging new business avenues with international clients

- Resolution of technical disputes with foreign engineering organizations

2007 - 2008

SSS Gears Ltd**Applications and Sales Engineer**

Sunbury on Thames

Invited to join fast-track Graduate Design Engineer Training Programme and contribute to the design and build of world-leading Syncro Self Shifting Clutch for gas & steam turbines

Main Activities

- Management meetings, defining objectives, reviewing performance against targets, and resolving a wide range of technical, quality and operational issues
- Working in close collaboration with sales, design and production teams
- Specifying and project managing orders
- Defining contracts with an international cliental
- Evaluating and reporting on work-in-progress
- Trouble-shooting, fault diagnosis, test and resolution of technical issues

2006 - 2007

Skater Motorsport

Crawley, Sussex

Junior Mechanic

As part of a team, assisted the Powertrain Mechanic and Race Engineer in supporting the British GT team racing a Marcos LM400

Main Activities

- Carried out pre-race checks
- Contributed to rebuilding components.
- Repaired, maintained and cleaned the car, tools and equipment

2002 - 2007

Surrey Fire and Rescue Services

Reigate, Surrey

Retained Firefighter

Contributed to the emergency rescue of people, animals and property throughout the rural regions of Surrey.

Main Activities

- Attended emergency incidents: fires; road traffic accidents; floods; bomb incidents; spillages of dangerous substances; rail and air crashes
- Coordinated and worked in partnership with other emergency service providers
- Minimized distress and suffering, including administering first aid
- Responded quickly to unforeseen circumstances to ensure own and others' personal safety
- Inspected and maintained fire engines, plant and equipment
- Assisted with testing fire hydrants and checking emergency water supplies;
- Carried out drills, physical training and attended training sessions on safety techniques
- Advised the public, schools and local organisations to help promote fire safety
- Completed incident reports and related documentation

Education & Training

	First Aid	
	Fire Safety	
	Medical Technician	
	Trauma Care, Oxygen	
	Spinal Care Instructor	
	Marine Fire Fighting	
	Manual Handling	
	Fairness and Dignity	
	Union Learning Representative	
2002 - 2003	British Standard MIG Welding	Brooklands College
2000 - 2002	A levels: Physics, Product Design, Biology	George Abbot School

General

IT Skills	MS Office: Word, Excel, Access, PowerPoint
CAD	Pro Engineer (Surface Modeling, FEA and CAM), Solidworks (and FEA)and Ideas (FEA and Surface Modeling).
Driving	Full, clean UK Driving Licence
Membership	Member of Guildford Rugby first XV and keen amateur chess player
Interests	Currently working on an invention; a Rotary Valve Otto Engine, building a kitcar, and designing a motor car Particularly enjoy reading, and believe if a person is literate it is possible to teach yourself virtually anything

Referees

Academic	Dr David Mba Course Leader and Senior Lecturer at Cranfield University Cranfield University, Barton Road, Silsoe, Bedford MK45
	Prof. Richard Kimble Professor of Technology Education Department of Design, Goldsmiths, University of London, New Cross, London SE14 6NW