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**Ahmed**

**Ahmed.234721@2freemail.com**

**Education**

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| 2013 – 2017 | **University of Surrey BEng (Hons) Mechanical Engineering**Guildford, United Kingdom Obtained: Upper Tier 2:1*Year 1* Mathematics, Materials & Statics, Fluid Mechanics & Thermodynamics 1, Design & Component Production, Solid Mechanics 1, Electronic Instrumentation 1, Experimental & Transferable Skills*Year 2* Solid Mechanics 2, Fluid Mechanics & Thermodynamics 2, Electronic Instrumentation 2, Control, Numerical & Experimental Methods, Mechanics of Vehicles & Machines, Design Project*Year 3*Mechanical Engineering Sciences Professional Training Year (see “Work Experience”)*Year 4* Control & Dynamics, Numerical Methods & Computational Fluid Dynamics, Engineering Management, Turbomachinery & Aircraft Propulsion Group Design Project (2016-17): Systems Design Team, Formula StudentIndividual Project (2016-17): Design, Manufacture & Test a Cooling System for the Formula Student Vehicle |
| 2012 – 20132000 – 2012 | **University of Surrey International Foundation Year: 83%**Guildford, United Kingdom Engineering & Physical SciencesSubjects included: Mathematics (Applied and Pure), Physics and English**Dubai National School American High School Diploma: 98.10%**Dubai, United Arab Emirates11 subjects including: Mathematics, Physics, Chemistry and Computer Sciences |

**Work Experience**

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| Aug. 2015 – Aug. 2016 | **Faurecia (Emissions Control Technologies)**, United Kingdom*Student Engineer* (Industrial Placement Year)Provided support to the maintenance and engineering team at a continuous production Emissions Control plant. Main responsibilities included:* Total Preventative Maintenance including testing of components, sensors, clamps including rewiring and looming
* Standardised work formation and documentation
* ZPL Programming for Zebra Industrial Printers and Schneider Unity Pro XL Programming for Programmable Logic Controller
* Critical Spares Analysis: considering the cost, frequency of breakdown, and time of delivery to determine whether a component should be kept in stock
* Assisting in Faurecia Excellence System audit preparation
* Training and conducting handover to the incoming Student Maintenance Engineer

I also had the opportunity to partake in a field visit to TI Automotive, another first tier supplier for Toyota producing fuel tanks. The purpose of this visit was to learn their lean manufacturing techniques and apply these to our plant. |
| Jul. 2014 | **TATA Steel**, India *Summer Intern*A one-month internship analysing TATA Steel’s Jamshedpur power plant number 6 and its mode of operation. At its completion, I put together and presented a PowerPoint report on the power plant to the plant manager. Key gains included:* First-hand industrial experience prior to commencing second year of BEng
* Ability to apply theory learnt in my first year of my engineering studies
* Improved report writing and professional presenting skills
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| Oct. 2013 – Jul. 2014 | **University of Surrey Students’ Union**, United Kingdom*Team Member*Worked at the popular University restaurant and bar in a customer-facing position as a barman and waiter. Duties included:* Serving customers in a polite and timely manner
* Multitasking and dealing with high demand in a short period of time
* Restocking the bar
* Ensuring health and safety standards are adhered to
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**Key Skills & Achievements**

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| Workshop & Laboratory | My University course and industrial placement year have provided me with knowledge in how to operate and work with various machinery including:* Milling, Lathe, Welding and Drill Press

I have also participated in the following laboratory practicals in which I have had to write detailed, concise laboratory reports: * Impact & Tensile Testing
* Laminar Boundary Layer
* Hydraulic Jump/Flume
* Centrifugal Pumps
* Stresses in a Beam
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| Computing | Fully competent with:* MS Word, Excel, PowerPoint and Outlook
* Windows & Macintosh Operating Systems
* Computer Aided Design i.e. Solid Edge and DraftSight
* Business Management Software i.e. SAP SE
* Basic C++ and Schneider Programmable Logic Controller programming
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| Teamwork & Achievements | I have worked as part of a group in many university, school, professional and extracurricular activities:* Leading and winning an inter-school English public speaking competition
* Played for a cricket team with which I had the opportunity to travel to Australia
* Captained the high school football team and goalkeeper for the University Futsal team
* Team laboratory reports and projects
* Lean Manufacturing Activities to improve productivity and efficiency of Faurecia’s plant
* Nominated for Student of the Year at Faurecia
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| Languages | * Fluent in English
* Fluent in Hindi/Urdu
* Full working proficiency in Arabic
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