

## Samantha Wolfe

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### Skills Summary (use headings that relate to the job but the examples can come from anything you have done)

**Technical:** (give a bit of relevant detail). Ability to use MATLAB, Cambridge Material Selector Analytical Programme, CATIA; for various assignments. Experience in CAD and CAM; used CAD software to design different wing shapes and used a laser cutter to cut wing shapes. I used a wind tunnel to acquire wing data for lift and drag at different angles of attack. From various projects I have gained knowledge and previous experience in PCB's, circuit components and logic gates. I develop analytical and problem solving skills having a logical and methodical approach to solving fundamental engineering problems.

**Planning & Organising:** Selected for the role of project manager, overseeing the time management of tasks, and allocating workload within groups, in the majority of projects including the (add example). I have also been able to maintain several part time jobs whilst studying through carefully planning my time and deadlines.

**Initiative & Problem Solving:** I enjoy taking the initiative to put forward ideas and motivate groups, for example (add example). I seize any chances for learning and self-development both in engineering and elsewhere, this contributes greatly to my success in computer gaming and sport.

**Teamwork & Communication:** I enjoy working as part of a team and have experience of diverse and effective communication both in the workplace and at University. For example when .....(point the reader to diverse and specific examples detailed elsewhere on your CV).

**IT & Analysis:** Knowledge of Microsoft Office, including, Word, Excel, PowerPoint, Project, Access experience using some of the advanced functions when report writing. I .....(give a bit of detail especially if relevant to the job).

### Education (include Foundation Yr / BTech / International schooling)

**Sept 16 – present      BEng Mechanical Engineering      (Current 2:1)      Brunel University London**

Key modules (if you are applying for a placement include your second year even though you have not got the grades)

#### **Second year**

Add modules title  
Add modules title  
Add modules title  
Add modules title

#### **First year**

Add modules title with grade  
Add modules title with grade  
Add modules title with grade  
Add modules title with grade

**June 2015      A-levels Computer Science (B), Maths (C) Physics (D)      London College**

**June 2013      10 GCSEs including Maths (B), Double Science (B/B), Design Technology (B), English (A)**

### Projects & Assignments (use S.T.A.R. – Situation / Task / Action / Result <https://www.youtube.com/watch?v=GjoB9qq-ViM>)

#### **Nov 2016 Glider Project: (Project Manager / group of four / three weeks)**

- The aim was to design, build and test a glider and a launcher that flies a predefined distance.
- I split the workload accordingly and ensured the project was completed on time, within budget and to specification.
- I calculated the optimum design constraints such as the airfoil design to achieve the desired lift-to-drag ratio.
- Having evaluated all the designs, the group of six shortlisted my design for the glider and the launcher.
- Due to its innovative design and quality, our launcher and glider is now being displayed by the university.

## **Oct 2016 Design of a Micro-Wind Turbine (Team member / group of five / two weeks)**

- A year 2 group project, which focused on designing a small roof-mounted wind turbine for UK home application. As a group, we decided to go for the horizontal axis wind turbine more adequate for rural areas.
- Taught myself how to use SolidWorks, a design software that I learnt in less than two weeks.
- Actively participated in motivating the team and directing the project in a very limited time (9 weeks).
- Developed alternative communication methods when meeting with the team was not possible.
- Learnt how to balance product cost with efficiency and quality.

## **Term 1, 2016 Development of UT Inspection for Brazed Components (Individual Assignment / 11 weeks)**

- Autonomous development of immersion technique inspections to qualify welds and brazing for new components where no instruction was available (selection of probes, set-up of ultrasound software, programming of NC-controlled scanner, data analysis).
- Inspection of lab samples to monitor influences of thermo shock tests.
- Determination of a material integrity to preserve the usefulness of the component involving cost reduction plans, product reliability improvement and give information before repair operations.
- Introduction to other NDT techniques (PT, MT, ET, RT, Phased Array and Visual Inspection) to get an overview over the whole field of non-destructive testing.

## **Other Work Experience** *(which can include volunteering, working with parents, community work etc)*

### **Sept 16 - present**

#### **Motorcycle Courier**

#### **ABC Couriers, London**

- Deliver packages across London and south east region - working quickly and effectively.
- Successfully meeting targets under pressure of time and in difficult working conditions.
- Accurately logging deliveries on a dedicated computer database using hand-held technologies.

### **July 15 – Aug 16**

#### **General Assistant**

#### **Finchley Motorcycles, London**

- Took a gap year after A' levels pro-actively developing my role of General Assistant.
- Responsible for staff rotas, recruitment and training, developed team working and communication skills.
- Regular liaison with suppliers, placing and sourcing orders, developed my client management and commercial awareness skills.
- Developed marketing strategies and maintenance of the company facebook page and website.

### **Oct 14 – Aug 15**

#### **Shop Assistant / Baker**

#### **Sweet Vienna Patisserie, London**

- Took customer orders and accurately handled cash transactions in a busy town centre 'high-end' patisserie
- Gained confidence and etiquette from an early age from dealing with customers
- Gained attention to detail and substantial product knowledge
- Learned a wide range of culinary skills and techniques as well as the science of cooking

## **Interests** *(what else you do or do not do can say a lot about who you are and your enthusiasm to make things happen)*

### **University Societies**

- I enjoy being an active member of the student society for Engineering EQ8. I attend events and social activities which increase my understanding of the subject and widen my social network. I also attend Film Club events.

### **Technology**

- Recreational photography including digital manipulation of images for my blog - [www.bloggingbrits.co.uk](http://www.bloggingbrits.co.uk)
- Keen computer games enthusiast having a keen interest in their design and coding. I am a member of online gaming groups and enjoy building relationships internationally for mutual problem solving and development of successful strategies especially in team based games.
- I enjoy maintaining and running my motorbike, having built it up myself I am always looking to make improvements.

### **Sports**

- Relax by playing netball in my local club. Also contribute to annual fund raising events and coach the junior members, helping me to develop skills such as team work and problem solving.