

Meera Sample

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Education

University of Aberdeen, **MEng Civil Engineering**, 2016 – 2021

- The first two years of the course cover principles of mechanical, electrical and civil engineering, including Engineering Mathematics and Engineering Design & Practice.
- During my third year, my courses include Stress Analysis, Design of Structural Elements, Fluid Mechanics and Geotechnics.

Dornoch High School, Dornoch, 2011 – 2016

- Advanced Highers: Mathematics (B), Physics (B)
- Highers: Mathematics (A), Physics (A), Chemistry (B), English (B) and Geography (B)
- Standard Grades: 8 at credit level, including German

Professional Memberships

- **Institution of Civil Engineers (ICE)** – Student Member
- **Society of Petroleum Engineers (SPE) Student Chapter** – Member

Work-Related Skills

Communication

- Working as an Assistant during the TechFest festival really helped me to enhance my communication skills as I explained science concepts to everyone from young children to adults. I often found new ways to explain concepts and dealt with questions on the spot.
- My course has also provided me with the opportunity to present topics to often large groups while report writing has enhanced my written communication skills.

Team Working

- I have taken an active role in each of the design projects which are an important element of my course. Usually this has involved working in a team of 4-6 to solve a particular engineering problem and presenting our findings in an assessed presentation and report.
- I also work closely with my colleagues in the TAU Racing chassis team to improve the design of our car.
- My time working at Debenhams and Jock's Tearoom has taught me the importance of working well with others to cope during extremely busy times.

Problem Solving

- Studying engineering, I use problem solving skills frequently and have studied strategies for approaching problems in a structured way.
- I was able to apply my skills to our design projects at University but have also found them helpful during my time at TechFest where we often had to cope with last-minute changes and challenges such as venue changes.

Information Technology

- I am an experienced user of Word, Excel and PowerPoint, having used these as part of my coursework. I also have some experience of using CAD and SolidWorks.

Work Experience

Retail Assistant, Debenhams, Aberdeen, July 2017 – present

- Initially I worked as part of the team restocking the store during the evenings. I was offered a Retail Assistant position in December 2018.
- I am now responsible for serving customers and dealing with their queries, including complaints and returns, merchandising and being aware of security issues.
- The store can be extremely busy at times, especially in the Christmas period and during promotional events, which has developed my ability to work under pressure.

Festival Assistant, TechFest, Sept 2018

- My role was to explain various aspects of science and engineering to school pupils, teachers and members of the public.
- I did this in a way which would inspire those attending and, in the case of school classes, encourage them to study science and engineering to a higher level.
- I very much enjoyed being able to communicate my enthusiasm about my subject to others.

Waitress, Jock's Tearooms, Dornoch, June – Sept 2016

- I worked as part of a team in this busy tea room during the summer.
- As a large number of customers were tourists, I often communicated with people whose first language was not English and provide information on the local area, too.

Achievements & Interests

Orienteering

- I am a member of the University of Aberdeen Orienteering Club having been involved in the sport since school where I took part in several competitions.
- This year I took part in the Scottish Universities Challenge, finishing 4th in the Women's Competition.

TAU Racing

- I joined TAU Racing, the Formula Student Society, last year.
- Working with the chassis team, I have been involved in making small adjustments to our design year on year and making our car lighter.
- Last year, our car ranked 1st in Scotland and 11th in the UK.

University of Aberdeen Engineering Society

- I have been a member of the society since my first year and regularly attend meetings and events including presentations from companies and professional bodies.

Outdoors

- I enjoy spending time hiking and mountain biking in the Scottish countryside, particularly around my home area.

References

Available on request