



## LONDON SAMPLE INTERNSHIP LIST ENGINEERING


### INDUSTRY DESCRIPTION

Engineering opportunities across London are fiercely competitive and many host sites adopt a University Graduate Program. Therefore, undergraduate students seeking an engineering placement must be able to demonstrate a comprehensive academic background related to engineering as well as relevant vocational or extracurricular experience. Due to the nature of the industry and the geographical requirements of many engineering organisations, some engineering opportunities will not be possible in the city of London and opportunities would only be feasible if the student is prepared to travel outside of the city. CAPA has been able to forge a limited number of meaningful opportunities with placements that help to develop engineering skills, knowledge and understanding. Within these opportunities students will need to be able to apply mathematical, scientific, technological and commercial awareness in to practice. As much advance notice of students wanting internships in these areas is required in order for the internship team to start early outreach into opportunities.

### EXAMPLES OF PAST PLACEMENTS

Please note that the following sites are a brief cross-section of current CAPA internship host sites and should not be considered as a guaranteed location for your placement. All internship & service learning placements will be dependent upon each individual applicant's application documents, prior experiences, demonstrated skills and their aspirations and goals.

<p style="text-align: center;"><b>Adthena</b></p>  <p style="font-size: 2em; margin-left: 10px;">Adthena</p>	<p>Adthena Ltd have a product called Adthena which is a leading search competitor intelligence tool for search advertisers. They have developed the tool and are actively developing and selling the tool as a Software Service solution. The company has been in search for many years but this new product is taking them into new directions and they are growing rapidly. As such they have a team of excellent Software Engineers that help the business grow and develop state of the art services.</p>
<p style="text-align: center;"><b>Royal Aeronautical Society</b></p> 	<p>The world's only professional body dedicated to the entire aerospace community. Established in 1866 to further the art, science and engineering of aeronautics, the Society has been at the forefront of aerospace ever since.</p>

<p style="text-align: center;"><b>Williams Sale Partnership</b></p> 	<p>Parsons Brinckerhoff (PB) is a global leader in developing and operating infrastructure around the world, with around 14,000 employees dedicated to meeting the needs of clients and communities across Europe, Africa, the Americas, the Middle East, Asia and the Australia-Pacific region. Clients come to PB for a wide range of advice, skills and resources in strategic consulting, programme management, planning, engineering, construction management and operations. For 125 years PB has earned a distinguished reputation for delivering world-class infrastructure and its technical expertise in transportation, power, community development, water and the environment.</p>
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### POTENTIAL PROJECT OPPORTUNITIES

Project opportunities will be dependent upon the current needs within the organisation and the demonstrated skills and abilities shown by each intern. It is imperative to remember that project opportunities will develop over time and throughout internship placements. Projects may include but are not limited to:

<b>Biochemical and Biomedical Projects</b>	<b>Design</b>
<b>Commercial Feasibility Projects</b>	<b>Developing Presentations &amp; Reports</b>
<b>Competitor Screening</b>	<b>Office Administration</b>
<b>Creation of Promotional Materials</b>	<b>Research &amp; Analysis</b>

### TRANSFERABLE SKILLS

It is essential to maximise every opportunity within the internship placements. If tasks and duties are approached in a professional manner, interns can take away additional skills and abilities that will be of benefit to their personal and professional development. Transferable skills sets include but are not limited to:

<b>Analytical Ability</b>	<b>Organization</b>
<b>Good Oral &amp; Written Communication Skills</b>	<b>Presentation</b>
<b>Independent Work</b>	<b>Problem Solving</b>
<b>IT Skills</b>	<b>Research</b>
<b>Methodical Approach and Excellent Attention to Detail</b>	<b>Resource and Time Management</b>
<b>Multi-Disciplinary Teamwork</b>	

## **PERSONAL PROFESSIONAL DEVELOPMENT**

Through their internship and extra-curricular activities, we work to help students develop the following skills:

1. **Networking:** The ability to intentionally and purposefully connect and interact with others in order to develop professional and social relationships.
2. **Communications:** The ability to receive, interpret and articulate information and ideas effectively.
3. **Remote Collaboration:** The ability to utilise IT resources to connect virtually with others and achieve collective goals and objectives.
4. **Global Perspective:** To develop skills required to live and work in an interdependent world through forming an understanding of connections between one's own life and those of people across the globe.
5. **Cultural Awareness:** To develop an understanding of oneself, others and to embrace and appreciate diverse and complex perspectives, values and beliefs.
6. **Organisation, Time Managements and Prioritisation Skills:** The ability to achieve identified outcomes by using your time, energy and resources in an effective and productive manner.
7. **Problem Solving:** The ability to find solutions to difficult or complex issues and to manage moments of uncertainty or ambiguity.
8. **Adaptable:** The ability to adjust oneself readily to different conditions and environments.
9. **Goal Setting:** The ability to identify, form and implement actions that will guide you towards predetermined aims and objectives.
10. **Career Based or Vocational Skills:** The development of specific knowledge or abilities related to an occupation.