



Exciting Faraday Undergraduate Summer Experience (FUSE) paid internship opportunities for summer 2023.

Studying a STEM degree? Wondering what career to pursue? Interested in finding out more about the battery sector? Keen to spend time with a dynamic community of pioneering battery researchers seeking to find solutions to support a fully electric future?

The Faraday Institution is offering a total of 55 internships, for undergraduate students to spend 8-weeks working on battery related projects.

Project title: Battery Fast Charging: 21700s

Project description:

Gaussion is focused on making fast charging of electric vehicles a reality.

During this project the student will explore why fast charging is such a problem for the battery industry, and how various companies are looking to overcome such issues. They will then work with one of the design engineers to 3D print a bespoke cell holder that will be used to house a Li-ion cell for testing under real-world conditions.

Learning objective 1: Understand the challenges in fast charging

Learning objective 2: 3D print a Li-ion 21700 cell holder

Learning objective 3: Set up a Li-ion cell to test under real world conditions

Learning objective 4: Analyse the testing data

Supervisor: Dr Tom Heenan

Company: Gaussion Ltd

Location: Angel, London (in-person)

Start date: The internship is a full-time role for 8 weeks with a flexible start/end date between June – September 2023.

Eligibility:

- Be registered full-time undergraduate student from a UK university.
- Undertake the internship within the years of their undergraduate study (i.e., not in final year or during a subsequent Masters' programme).
- Not have been a FUSE intern in a previous year

Funding: A salary of £11.95 / hour in London will be provided. The funding is provided by the [Faraday Institution](#).

Additional activities: During the FUSE internship you will be able to attend Faraday Institution cohort events which will focus on a variety of topics to further develop your understanding of career opportunities in battery sector. At the end of the programme, you will be invited to share a poster about your work and prizes will be awarded.

Application: In order to apply for a Faraday Undergraduate Summer Experience (FUSE) 2023 internship, you need to send a CV to jobs@gaussion.com and complete the following survey <https://forms.office.com/e/FrVke8duWm> by 23:59 on the 28th of April 2023.

Diversity

The Faraday Institution is committed to creating a dynamic and diverse pool of talent for the fields of battery technology and energy storage.

Diversity is at the core of who we are at Gaussion. We are committed to an inclusive workforce that welcomes everyone, and where everyone can succeed regardless of race, gender, religion, sexual orientation, age, disability, or socio-economic background.