Nuffield Research Placements

Previously Nuffield Science Bursaries, they provide over 1,000 students each year with the opportunity to work alongside professional scientists (including quantitative social scientists), technologists, engineers and mathematicians.

Spend your summer holiday developing your research and quantitative skills on a project that will enhance your university application and career prospects. Nuffield Research Placements take place in your summer holidays after Year 12. Successful applicants will work on a research project that relates to an area of science, quantitative social science, computing, technology, engineering or maths (or a combination of these). Most projects are based in an office, but some include working in a laboratory or fieldwork.

The programme is highly competitive, and not all applications will be successful. **They have strict application criteria so check if you are eligible before submitting an application.** Placements are between four and six weeks in length and are available in your local area. Your placement might be in a university, research institute, company, or voluntary organisation. You will work alongside professional researchers on a project that is an important part of their business and/or research and have the opportunity to network with students, researchers and employers whilst exploring a future careers and subject options. You will submit a written report at the end of the placement which is similar to reports written at University level and present your findings at a regional celebration event. You may wish to enter your project into national competitions such as the **Big Bang Competition**, or apply for a **Gold Crest Award**.

Eligibility

To apply, you must:

- Be over 16 and in full-time education at a either a state-maintained school or a state-maintained college in the UK.

- Have at least five GCSEs at grade B/Grade 6 or above, including maths, a science subject, and English or another humanities subject.

- Be studying one or more A-levels in science, technology, engineering or maths.

They also require students to fulfill **at least one** of the following criteria to be eligible to apply:

- Come from a low-income household and be eligible for a bursary
- Be the first in your family to go to University

http://www.nuffieldfoundation.org/nuffield-research-placement

The Reading Scholars programme aims to give Year 12 students a real taste of life as a university undergraduate, and to provide practical support as participants begin their Higher Education application process. Featuring input from leading academics and current undergraduate mentors, the programme will challenge participants academically and enhance current studies.

The programme takes place at the University of Reading's Whiteknights campus, and students will participate in four events throughout the academic year 2019. These will include master classes led by academics in their subject of choice, a Student Experience Day in February, a study skills session and finally a three day residential summer school in June 2019. All costs related to participation in the programme, including transport, lunch, refreshments and accommodation are covered in advance for participating students, who will also get to take part in a range of fun team-building and social events.

Students participating in the programme will have achieved at least five A* - C grades at GCSE and be on course to achieve good grades at A-Level or equivalent (i.e. BBB). The programme is targeted at students who fall into their priority groups (for example young carers or family income of less than £25,000) - the full selection criteria for the programme can be seen on their website

Students who successfully take part in the Scholars programme who go on to apply for an undergraduate course at the University of Reading are guaranteed to receive either an invite to interview or a conditional offer. Applicants who go on to select the University of Reading as their firm choice institution are also eligible for a two grade drop on their offer for most courses, and to apply for a £1000 Scholars bursary in their first year.

The programme is offered in the following subject areas this year:
- **Art & Design**
- **Biology**
- **Business**
- **Chemistry, Food Science and Pharmacy**
- **English Literature**
- **Mathematics**
- **Modern Languages (French, German and Spanish)**
- **Psychology**
- **History, Archaeology, and Classics**
- **Physical Geography and Environmental Science**

The deadline for applying is November 9th

https://www.reading.ac.uk/teachers-and-advisors/events-and-activities/ta-readingscholars.aspx

Digital Technology Solutions Degree Apprenticeship - Network Engineers

Jaguar Land Rover's award-winning graduate and apprentice programmes have been designed to be just as inspiring as the next generation of vehicles you'll help produce. In fact, they've designed their early careers programmes for you to shape the future with them. With opportunities right across our business, you'll use your creativity to bring new ideas to life, develop specialist, commercial and project skills and push the boundaries of your potential.

What to expect
Jaguar Land Rover subject matter experts have been working throughout 2018 with their partners in WMG at the University of Warwick to develop a new BSc degree in Digital Technology Solutions (which is subject to final University approval).

You'll spend your first three months at university, where you'll gain programming skills and start to build your professional business skills. After this time, you'll typically attend university for one week in every six to achieve your Bachelor's degree and study at the newly constructed Degree Apprenticeship Centre in the heart of the University of Warwick campus.

You'll contribute to the business in your assigned role, as well as undertake additional study in your own time, to achieve your academic award. A network of apprentice tutors and line managers will regularly review your progress and offer advice along the way, to support you performing at your best.

Level 6 Apprentices will be selected for one of the

following routes:

- Software Engineering, in our Engineering and IT teams
- Software Engineering with Data Analysis, in our Engineering teams
- Data Analytics with a variety of functions across our enterprise
- Network Engineering in our IT and Facilities teams

Where it will take you
Join them on this apprenticeship programme and you'll be placed within one of the areas below:

Product Engineering
As the sophistication and automation of our vehicles continues to grow, our design and development teams in Electrical, Electronic and Software Engineering; and Powertrain Engineering increasingly require software engineering expertise to help create and maintain the millions of lines of code for our vehicles. Increased connectivity produces large amounts of data which can be used to continuously improve our products, and provide new services to our customers to give them experiences they love for life.

IT
As a growing global business continuously investing in our facilities, our IT teams ensure that our people have the infrastructure and tools required to do their jobs. Our Network Engineers support existing infrastructure and the deployment of new technical solutions. Our Analysts use data from multiple sources to support day-to-day operations, drive improvements and help forecast our future requirements so that the optimal solutions can be deployed.

Embedded Business Technology across our Enterprise
In a world of ever greater connectivity, digital technology solutions play a role in virtually everything we do and experience. Our global teams across our business are increasingly using data from multiple sources to make critical decisions and drive outstanding performance.

Data analytics, the management and manipulation of relevant data is essential for us to continue to offer a world-class experience to our customers whilst remaining commercially viable. To take on this challenge you should enjoy problem solving, have good analytical proficiency and be comfortable manipulating and working with large amounts of data.

They'll continue to invest in their systems and deploy new architectures to get the most out of the data around them. Fast reporting, data visualisation and trend identification will enable the business to outperform the competition in all areas. Artificial Intelligence will play an increasingly important role in them maintaining relationships with their suppliers, customers and employees which are trusted and personalised.

Join them as a Digital and Technology Solutions Apprentice and you'll start influencing their success in activities across our entire business helping them to deliver their extensive plans for further growth. You'll learn about cyber security, artificial intelligence, big data, Internet of Things, and the project management and life cycles required for them to be deployed in their business.

What you'll need
GCSE Maths (Grade B/6 or above), English (Grade C/5 or above) plus an additional three GCSEs including a STEM subject at Grade C/5 or above (or an ICT vocational qualification at level 3 of 90 credit value 540GLH or greater).

Specialism-Software/Network Engineer: A Level Maths (Grade C or above), plus one further A Level in Science, Engineering or Technology (Grade C or above) or A Level Maths (Grade C or above) plus completion of a higher apprenticeship (Level 4/5) in IT, Software, Web and Telecoms.

Specialism-Data Analyst: A Level Maths (Grade B or above) plus one further A Level in Science, Engineering or Technology (Grade C or above).

Specialism-Software Engineer with Data: A Level Maths (Grade B or above) plus one further A Level in Science, Engineering or Technology (Grade C or above).

Rewards and benefits
Their salaries are competitive and they will also pay your tuition and course fees and give you a generous holiday allowance as part of your package. You'll be able to access a range of deals and discounts from various retailers and many of their facilities have their own gyms and sports facilities so you'll have plenty of opportunities to play at the end of the working day.

https://www.ratemyapprenticeship.co.uk/jobs/1253/jaguar-land-rover/digital-technology-solutions-degree-apprenticeship-network-engineers

Haileybury Turnford Sixth Form
Thursday 22nd November, 6-8pm

OPEN EVENING

Stansted Airport College
Tuesday 6th November 5:30-8:30pm

Hertford Regional College
Wednesday 7th November 5.30-8.30pm

Apprenticeships

There are a range of apprenticeships advertised weekly via the Harlow College, Hertford Regional College and Cambridge Regional College websites.

http://www.harlow-college.ac.uk/study-options/apprenticeships/apprenticeship-vacancies

https://www.hrc.ac.uk/apprenticeships/apprenticeship-vacancies

https://www.camre.ac.uk/apprenticeships/apprenticeship-vacancies/

Here is a selection of the positions on offer. For further details on each apprenticeship please visit the website.

Accounts and Finance Assistant Apprentice (AAT L3)
Active Recruitment SEN Ltd is looking for a finance and admin assistant who will report directly to the Finance Director.

Active RECRUITMENT SEN

Location: Loughton Closing Date: 28/10/2018
Wage: £148.00
Ref: 1458988

Support Teaching and Learning Apprentice
To ensure a warm, welcoming and safe environment is maintained and a high quality of physical, emotional, social and intellectual provision is made for children in the setting. To raise achievement for children by developing nurturing relationships and contributing to provision that effectively meets individual needs.

Location: Enfield
Closing Date: 05/11/2018
Ref: 1430687

To search for nationwide apprenticeships visit:
http://www.getingofar.gov.uk/

If you have any questions or queries relating to careers please contact the careers leader Kate Ward on wardk@haileyburyturnford.com