ECHOSTAR

Undergraduate Opportunities 2015

EchoStar Corporation (NASDAQ: SATS) is a premier global provider of satellite operations and video delivery solutions.

Headquartered in Englewood, CO, with additional business units world-wide, EchoStar is a multiple Emmy award-winning company that has pioneered advancements in the set-top box and satellite industries for nearly 30 years, consistently delivering value for customers, partners and investors through innovation and outstanding quality. EchoStar's contribution to video technology continues to have a major influence on the way consumers view, receive and manage TV programming.

EchoStar's consumer solutions include HughesNet®, North America's #1 high-speed satellite Internet service, Sling Media's Slingbox® products, and EchoStar's line of set-top box products for the free-to-air satellite and terrestrial markets.

What We Do
A LARGE PORTION of EchoStar's operations involve satellite technology. It's our foundation—where we came from—and we have grown to become a world leader in the satellite industry.

- Our EchoStar Satellite Services group coordinates the building and launching of new satellites, manages and operates our in-orbit fleet of 22 satellites, and provides satellite capacity to media organizations, enterprise, government and military customers.
- Our EchoStar Technologies group produces the consumer premise equipment for receiving satellite television programming and also provides the uplink and broadcasting systems that deliver the programming to consumer homes.
- Our Hughes group uses satellite broadband technology, along with DSL, fiber and DOCSIS, to deliver advanced data services and managed network solutions to consumers and businesses around the globe.

EchoStar's non-satellite aligned products and services are mostly related to our other core expertise—video. These include items such as cable, terrestrial and IP set-top boxes, online video delivery, Slingbox placeshifting products, home automation and smart home technology.

In all of these areas, EchoStar is not just a provider of products and services, but a world leader in our various industries and the recipient of many prestigious awards and acknowledgements

We employ 150 people in the UK, with our engineers having a wide range of expertise in analogue electronics, digital electronics, high volume power supplies and software engineering, who are either graduates or have many years' experience, particularly relating to consumer electronic products. We are looking to recruit Undergraduate IT, Software and Electronic Engineers at our UK Office in Steeton, West Yorkshire to commence employment in Summer 2015.

Advanced twin tuner MPEG-2/MPEG-4 HD DVR

Smart home technology

Opportunities 2015

Software Engineering

Applicants will currently be studying Software Engineering, Computer Science or a similar subject, who will have covered modules or have knowledge/experience in some or all of the following:

- C Programming Language ideally on an embedded system.

- Software Development.

- Embedded Real-time operating systems.

- Software methodologies/Case Tools/architecture.

- Linux.

- User interfaces.

- MPEG chip sets.

- Digital satellite, cable and terrestrial video broadcast systems.

- Version control systems.

Electronic Engineering

Applicants will have a strong interest in electronics along with a good academic background and be a problem solver. The Applicant will be studying Electronic Engineering or a similar subject and will have covered modules or have knowledge/experience in some or all of the following:

- Digital, RF, AV or Power Supplies

- Soldering of leaded and surface mount components.

- Circuit Simulation.

- Contributing to the production of test reports.

- Prototype build.

- Debugging of circuits.

We expect the applicants:

- to be enthusiastic team players.

- to be able to communicate effectively with colleagues and customers.

- to be able to approach a problem methodically and therefore solve problems.

- to be able to work as part of a team or on an individual basis.

- to feel confident enough to ask for help and assistance when required.

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IT Undergraduate

Applicants will currently be studying IT, have a knowledge of web related technologies, along with a general grounding in IT technologies and software. We will be looking for experience and/or knowledge from the following areas:-

- Design, implementation and support of web based solutions
- Graphic design, layout and branding
- Database design, management tools and best practices
- Experience of any of the following applications:

  - Microsoft SharePoint
  - Microsoft Office, particularly Excel, PowerPoint and InfoPath
  - Microsoft Visual Studio
  - Microsoft SharePoint Designer
  - Adobe Photoshop

- Undertaking business analysis, documenting findings and providing input to assist in development or definition of solutions and project plans.
- Providing end-user support and troubleshooting for the development and production environments.

Helping to coordinate and implement best use practices, and communicating best use scenarios to business partners

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- to be able to approach a problem methodically and therefore solve problems.

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- to feel confident enough to ask for help and assistance when required.

What our people say………

I originally applied to EchoStar due to the location and because I had some experience with several of the things mentioned on the placement advert.

During my placement, I dealt with a wide range of tasks, such as part sourcing, thermal testing and design work. I have learnt a wide range of skills which I aim to use to improve the quality of my work at University and in endeavours beyond education. The most enjoyable part of my placement was problem solving alongside professional engineers. This has given me the confidence that my skill level will be useful to a Company and more so, after I have finished my final year at University.

Harley Neal – Undergraduate Hardware Engineer (University of Huddersfield)

My experience at EchoStar has been fulfilling. I was made to feel welcome and was treated like a permanent member of the Company and I felt like a valued member of the team. I worked with all the Hardware team, on a large project for the majority of the time here, and have worked with many different people in the Company on various tasks. This has given me a well-rounded look at the Company and the industry in general.

My time at EchoStar has been great and I would highly recommend to anyone wanting to learn and enhance their skills to an extent much higher than University could, and put the theory taught in lectures to practice.

They employ several students each year, so it's very easy to settle in and hopefully make some new friends and/or contacts for after graduation.

Jack Swale – Undergraduate Hardware Engineer (University of Sheffield)

When I first came to EchoStar I was so naïve and inexperienced in professional engineering, even though I have had many jobs before; nothing was quite like this one.

As an undergraduate, I expected to be given all of the tasks that none of the full-time employees wanted to touch, such as immense amounts of repetition or petty bug fixes. This was not the case at all! The challenging and interesting work I was given has been an amazing learning experience. When I think back to the person I was 12 months ago, I have learned so much in such a short length of time.

The variety of work I have done has been vast as well; everything from high level coding all the way down to poking bits in the CPU.

To put it simply …. "My CV is now overflowing"

Lewis Papendick – Undergraduate Software Engineer (University of Huddersfield)

Student Placements at EchoStar

There is no such thing as a typical day at EchoStar as we are often involved with many projects at any one time. This means that there is a lot of opportunity for students to get involved in working on different and varied areas of technology during their placement. Students may find themselves working on an individual project or as part of a team. The projects that students work on are utilised in our products or infrastructure and potentially could be used by millions of customers. You will be given all the necessary training, tools and support to enable you to work to our standards.

As we are an international Company, there is opportunity to interact with team members at our sites in US, Spain and Ukraine and there is also a chance that you may travel to these locations. You will therefore need an appropriate passport that will enable you to travel to these sites if necessary.

Conditions of Employment

Salary
Our current Undergraduate salary is £15,375 per annum.

Holidays
25 paid holidays for a full calendar year or 2 days per calendar month if placement is less or more than one full calendar year. This is in addition to the statutory bank holidays which you will be entitled to during your placement.

Working Hours
Employees work at least 37.5 hours per week during a normal working week of Monday to Friday inclusive, consistent with the exigencies of the job. We operate a flexible working day with one hour for lunch.

Metro Cards
Employees can obtain a discounted Metro Card, for travel on trains and buses in the local area.

How to Apply

Please apply by application form and covering letter. The application form can be found on our website www.echostareurope.com under the Careers Section.

All applications must be submitted by the **end of March 2015** and interviews will take place in April. Please send completed applications to:-

UKRecruitment@echostar.com