Lockheed Martin engineering internship with Terma

Get ready to have your career kick started with this unique internship opportunity at aerospace giant Lockheed Martin in Fort Worth, Texas. Here, you will work on the fighter jet of tomorrow, the F-35 Lightning II. You will develop your engineering skills and expand your toolbox with courses (including 6 Sigma methodologies, CATIA and aircraft familiarity) and practical engineering experiences.

A dynamic and innovative industry, the aerospace industry is where attention to detail, high requirements, safety and attention to cost are the keywords. You will learn how to become a better engineer as you work in the challenging environment at Lockheed Martin.

The F-35 is a 5th generation multirole stealth fighter aircraft. With capabilities superior to any other fighter aircraft, the F-35 will form the backbone of tomorrow’s air forces around the world.

Quality Engineering

Put your analytical engineering skills to the test in the Quality Engineering (Wing Assembly) or Quality Engineering (Final Assembly) department. You will conduct big data processing, discover trends, uncover root causes and create solutions to reduce rework hours and defects – all with the goal to reduce the price of the aircraft. You will also have the opportunity to do lab experiments to obtain statistical data on solutions.

As a quality engineer intern, you will get close up with the aircraft and get hands-on experience with the future fighter jet of the Royal Danish Air Force.

Although being a hard-core numerical simulation kind-of-guy, I was able to apply my skills to real-life problems and get an understanding of how knowledge learnt at school is connected to the industry. To this day, I use the mindset learnt at Lockheed Martin in my daily work at Terma A/S.

- Thor Andersen, Quality Engineering (Wing Assembly), 2015

The internship at Lockheed Martin has been an amazing experience, both academically and personally. It’s been an opportunity to improve my problem solving skills in an analytical manner, and use knowledge obtained through my education on real life problems. Finally, working at Lockheed has made me courageous and confident, and it has certainly been worth it.

- Helene Birkebæk, Quality Engineering (Wing Assembly), 2017

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Manufacturing Engineering

As a manufacturing engineer intern in the Rate Transition (Wing) department, you will use your creativity and engineering skills to develop solutions to improve workflow and production rate through close dialog with the mechanics. As the production rate of the F-35 continues to increase to full rate production, the production line needs to be transformed and streamlined to keep up with the demand of the customers.

In this position, you will be a member of the team transforming the advanced automotive-style production line to accommodate the increasing production rate of aircraft. You will come up with solutions to make the work stations and work flows more efficient, e.g. by designing special tools for the mechanics.

I will definitely recommend applying for an internship at Lockheed Martin - it is a once in a life time experience. I learned a lot from my internship, and working in an enormous factory, with machines and tools bigger than a normal Danish house, is really fascinating for an engineer. Additionally, it is also a great opportunity for experience a different culture, and get a new perspective of how things are done in other countries.

- Anders Hjermitslev, Rate Transition (Wing), 2017

It doesn’t get better than this! At least not if you’re a mechanical engineer. Machines, materials, and designs as you never seen them before. The F-35 is the most advanced aircraft in the world, and getting to be a part of building it is an amazing experience.

- Trugvi Kristiansen, Rate Transition (Wing), 2016

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Quality Technologies
Quality Technologies (QualTech) is a new, multidisciplinary department that investigates how to apply new innovative technology to quality assurance to reduce inspection time. Examples include the development of drones (aerial, snakes, crawlers) that can inspect aircraft for defects using machine learning, 3D-printing of tools and much more. You will work with mechanics on the production floor and in other engineering teams to transform their needs into new solutions.

You will get the chance to combine mechatronics, programming and CAD to develop and test solutions for the future of aircraft quality inspection – from idea to actual impact on the production.

As an intern with the Quality Technologies team at Lockheed Martin Aero, I have been an integrated part of the engineering team working on the advanced F-35 Joint Strike Fighter program. In researching, developing and implementing new, innovative technologies for quality control, I have carried out projects from novel idea to actual impact on production. It has been an experience of a lifetime!
– Jesper Lund, Quality Technologies, 2018

Working in the Quality Technologies team at Lockheed Martin Aeronautics, provided me with a great opportunity to create something useful for the company. It all depended on my own creativity and competences. I provided the ideas, and the team provided me with the resources and tools to put my ideas to life. I even got my own 3D printer! I could create a physical product like a robot, something software based like a phone application, or maybe something completely different, as long as it is of relevance to the company.
– Kenneth Jensen, Quality Technologies, 2018

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