13 - MONTHS AT TEXAS INSTRUMENTS

PLACEMENT FOR DEGREE STUDENTS IN:
ELECTRONICS, TELECOMMUNICATIONS OR COMPUTER ENGINEERING

EUROPEAN UNIVERSITY PROGRAM

The placement will start in July 2010 and end in August 2011

The successful candidate will be based at Texas Instruments Germany in Freising, located near Munich. Texas Instruments (TI) is the leader in semiconductor solutions for analog and digital embedded processing. Our technologies are permeating daily life in many different ways from digital communications and entertainment to medical services, automotive systems and wide-ranging applications in between.

The European University Program plays an important role in TI's long-term marketing. By introducing industry-leading TI technologies to the engineers of the future we enable technical academic institutions to deal with the demands of the 21st century. The European University Program is one of the "building blocks" that leads to the creation of new and innovative designs harnessing TI technologies. The program supports over 1000 Universities in Europe, the Middle East and Africa and is constantly broadening its horizons with further expansion into new and existing markets.

The selected candidate will have the opportunity to work as part of the University Program team by providing technical support to Universities. You will be required to assist professors, lecturers and post-graduate students with their projects using TI's embedded processors (ARM & DSP) and analog products, as well as ensuring that Universities have the tools and knowledge they need to teach DSP. You will also be helping TI's University Programme to establish new labs in Universities around Europe.

Placement Description

Key tasks:

- ✓ Giving technical support to Universities in Europe, Middle-East and Africa via e-mail, forums, and telephone.
- ✓ Assisting Professors, Lecturers, and Postgraduate students with their projects, ensuring they have the right Embedded Processing and analog tools and can use them effectively.
- ✓ Helping Texas Instruments' University Program to establish Embedded Processing and Analog labs in different Universities
- ✓ Developing your technical skills through on the job and formal training
- ✓ Working in conjunction with global teams to improve our customer service.
- ✓ Representing TI's University Program to Universities across the region.
- ✓ Recruiting the next Student for this placement.

Skills that will be acquired:

Technical Knowledge: DSP (C5000 & C6000), MSP430 & ARM (microcontrollers), and analog tools. You will learn programming and debugging techniques, along with the opportunity to be trained in using TI tools. Training on the full range of TI products will be given as well as the opportunity to attend workshops with our customers.

Work Skills: Efficiency and responsiveness, organization, team working and customer relations

Communication Skills: Valuable communications skills using telephone and e-mail. Proficient use of technical English to deliver highly effective customer communications.

Marketing: Understanding the market for semiconductors, and the role of Universities. An appreciation of the trends of the market from an inside point of view.

Relationships: Working in a truly multi-cultural environment

Remuneration & Working conditions:

- Smart and comfortable working environment
- State-of-the-art PC and Communication systems
- DSP & Microcontroller development tools for de-bug work
- Training: access to TI courses and workshops
- Salary: around 1500 Euros pre-tax per month.
- Salary is paid monthly, so you must be able to support yourself during your first month
- 2.5 days paid holiday per month
- On-site cafeteria

Individual Requirements

Applicants MUST meet the following criteria:

- Be available for a placement of at least 13 months
- Able to retain their student status throughout the placement because the placement is a required part of their course
- Be genuinely fluent in English, written and spoken

Skills you must have:

- Good knowledge of Analog and Digital Electronics
- Basic understanding of Digital Signal Processing
- Experience of programming in C language
- Proficient using a PC and internet environment
- The drive and motivation to accept new challenges
- The ability to learn quickly
- A keen sense of responsibility
- The maturity to work with minimal supervision

Other skills we value:

- Experience in DSP programming, in C and/or Assembly
- Basic knowledge of Texas Instruments Code Composer Studio software
- Operating Systems Linux and WinCE
- Additional language skills (apart from English)
- Previous work experience
- An appreciation of different cultures

Applications

The deadline for applications is the 26th of February 2010.
All applications should be made in English.
Interviews will be conducted in English.

The Application Process:

1. To apply, send your CV and a cover letter in English to Nuria Llin by email: **n-llin@ti.com**
   The cover letter should detail why you are applying for this job, and how you satisfy the criteria required. It should not be more than one side of A4.
   The deadline for applications is the **26th of February 2010**.

2. During March, selected candidates will be given informal telephone interviews conducted by the current student.

3. After this, selected candidates will be given telephone interviews conducted by representatives of Human Resources ("HR") and the Customer Support Centre ("ECSC").

4. Once the candidate is chosen, ahead of the agreed start date, they will have a telephone discussion with Robert Owen, the University Program Manager, followed by a one day training session in the UK.

5. Start date: early July 2010

For more information:

Please contact the present student: Nuria Llin.
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- *On Texas Instruments: www.ti.com*
- *On European Customer Support Centre: www.ti.com/sc/epic*