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Graduate Hardware Engineer - Compute Subsystems

Job ID #: 4893

Country: UK

Location: Cambridge

Job Category: Hardware Engineering **Employment Type:** Graduates

Division: Systems & Software

Department: Systems & Software - Graduates

Hours of work (per week): 37,5

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Job Description

Introduction

We are seeking highly motivated graduates with knowledge and enthusiasm in computer architecture and hardware design to join our hardware team within our System and Software group.

Graduate Hardware Engineer – Compute subsystems

The Compute Sub-Systems group, that is part of the Systems and Software division, provides a system level perspective providing the knowledge and experience to drive the requirements of ARM's IP to work effectively within systems.

The role is to work alongside system architects, in order to create designs of future ARM based systems. System models play a critical part in shaping the future direction of key IP components such as GPU's, CPU's and memory system technologies.

This role could provide the following opportunities:

- Being part of a small and talented team, giving you the opportunity to innovate and make a significant contribution
- Employing leading-edge design and verification technologies to design low-power high-performance products.
- Creating and reviewing design and verification documentation

Job Requirements

Are you a good fit for ARM?

You will be on track to receive, or have achieved a 2.1 degree (or equivalent) in Computer Science, or other related subject.

Essential Skills & Experience

- Competency in C/C++ programming.
- Understanding of computer and system architecture concepts.
- Knowledge of digital circuits.
- Understanding of micro-architecture design techniques such as pipelines and caches.
- Enthusiastic and interested in all aspects of system design engineering both within, and outside, a degree course.
- Strong team player with good communication skills.

Desirable Skills & Experience

- Familiarity with the ARM AMBA specifications or other bus protocols.
- Experience in the use of scripting languages (Perl, Tcl, Python).
- Knowledge of the ARM architecture.
- Experience with Linux kernel

Person Specification

ARM Graduate Engineers are expected to exhibit the following behaviours and skills:

- Keen to learn new techniques, tools and technical languages
- Self-motivated and willing to seek out information when required

- The ability to think laterally, solve problems independently, and create novel solutions – not just incremental ones
- Able to communicate technical ideas in a clear manner, and able to apply critical listening skills when listening to the ideas of others

Why Work For ARM?

As well as a friendly and high performance working environment, ARM offers a competitive benefits package in the UK including: relocation (where applicable), shares, annual bonus, medical cover, 25 days annual leave, sabbatical every four years, pension and a flexible working policy.

About ARM

ARM® is at the heart of the world's most advanced digital products. Our technology enables the creation of new markets and transformation of industries and society. We design scalable, energy efficient-processors and related technologies to deliver the intelligence in applications ranging from sensors to servers, including smartphones, tablets, enterprise infrastructure and the Internet of Things.

Our innovative technology is licensed by ARM Partners who have shipped more than 50 billion Systems on Chip (SoCs) containing our intellectual property since the company began in 1990. Together with our Connected Community, we are breaking down barriers to innovation for developers, designers and engineers, ensuring a fast, reliable route to market for leading electronics companies.

With offices around the world, ARM is a diverse community of dedicated, innovative and highly talented professionals. By enabling an inclusive, meritocratic and open workplace where all our people can grow and succeed, we encourage our people to share their unique contributions to ARM's success in the global marketplace

How to Apply

If you're interested in working at ARM, click 'apply now'. To see what happens next, take a look at our [recruitment process](#).

Expected start date is September 2015, but in some cases we may consider an earlier start date.

Job Title: Graduate Hardware Engineer - Compute Subsystems
Location: Cambridge
Opening Date: 23rd February 2015
Closing Date: 23rd March 2015
Salary: Competitive plus a comprehensive benefits package

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