GPU Implementation Engineer - MediaTek Singapore Pte Ltd

- A Leading Global Consumer Electronics Solutions Company
- Selected as 1 of “The World’s Most Innovative Companies” by Forbes
- Cross product/ IP convergence

Responsibilities

- Responsible for physical design and development activities of MediaTek’s GHz ARM/Imagination-based graphics processors
- Involved in activities encompass physical design and analysis of complex and timing-critical graphics processor partition blocks and TOP
- Technical disciplines include synthesis, floor-planning, place and route, RC extraction, timing and power optimization
- Work closely with RTL function designers to optimize design components
- Work closely with MediaTek’s colleagues in Taiwan and Singapore in high speed methodology co-development and flow deployment

Requirements

- Bachelor/Masters Degree in Electrical/Computer Engineering
- Min 5 years of high-speed CPU/GPU/DSP and graphics processor physical design experience
- Experience with Synopsys ICC (preferred) or Cadence or Magma tools from netlists to GDS is a must
- Experience in graphics processor implementation/power reduction flows and methodology from RTL to GDS (including synthesis, floor-planning, placement, CTS, routing, timing optimization, physical verification) is a plus
- Knowledge of high-speed/low power IP and custom circuit design is a plus
- Good communication and scripting skills

Company Overview

MediaTek Inc. is a leading fabless semiconductor company for wireless communications and digital multimedia solutions. The company is a market leader and pioneer in cutting-edge SOC system solutions for wireless communications, high-definition TV, optical storage, DVD and Blu-ray products. Founded in 1997 and listed on Taiwan Stock Exchange, MediaTek is headquartered in Taiwan and has sales and research subsidiaries in Mainland China, Singapore, India, U.S., Japan, Korea, Denmark, England and Dubai.

MediaTek Singapore is a wholly-owned subsidiary of MediaTek Inc. We are continuously investing in R&D manpower and committed to providing opportunities for our people to grow. To pursue your growth and development, join us now for a bright future.

Product & Services

MediaTek Inc. provides innovative chip integration system solutions in 4 areas: Optical Storage solutions, Digital Home Solutions such as Digital TV and DVD players (including Blu-Ray related products), mobile communication solutions and wireless home networking and broadband access solutions. The company is the only firm among Fabless semiconductor companies that can deliver solutions across the fields of IT, consumer electronics and communications. MediaTek Inc. is one of the 10 largest IC design companies in the world, and no.1 in Asia. It has successfully made itself a vital part of the global supply chain through the constant innovation, in particular Taiwan’s whole mobile industry.

Cross product/ IP convergence

One of the key elements of MediaTek’s success is that it reorganizes the value-creation in existing industrial chains. For example, in optical storage and high level digital fields, using new technologies that have the widest integration globally, it has broken the unfair competition model in which international giants monopolize key parts, and helped to establish its own domestic supply chain. With this IP convergence and cross-product synergy, MediaTek not only maximizes the economic scale of the investment of leading technology developments, but also is able to deliver reliable yet cost-effective IC solutions to global customers.

Customer oriented

As the best strategic partner, MediaTek provides high performance and reliable IC solutions. MediaTek’s highly integrated, customized solutions not only significantly shorten the time-to-market, enhance product competitiveness, but also bring a better overall user experience. MediaTek launched its “Quality Product Program”
in 2006. MediaTek strives to provide highly integrated, very high performance mobile solutions with the lowest power-consumption for customers around the world. Focusing on a few key test metrics that handset users care about the most, such as communication quality, power consumption and wireless reception, MediaTek invests in-depth R&D resources in its “Quality Product Program” to provide world-class performance.

Why Join Us?

In order to recruit, retain and reward our talents all around the world, MediaTek provides a comprehensive compensation and benefits. Besides competitive pay and motivating package, a variety of options regarding health, living support and relationship building might be included. Toward company success, MediaTek rewards employees on the basis of good performance and future development. And benefits are designed to fulfill employees’ needs. Building on the foundation of great content and flexible structure, our employees can devote themselves in developing world-class SOC system solutions.

Taking care of all employees around the world, total compensation and benefits program might be different from country to country. But the ultimate purpose is to create a dreamland which leads to a better career

Application

Interested candidates may contact Mr Soh Chee Keong at cheekeong.soh@mediatek.com. Closing date: June 2015