Huawei Hong Kong Research Center

Huawei Hong Kong Research Center was established in 2018, focusing on chipsets, software engineering, AI, and theoretical researches. We are currently seeking high-caliber Engineers and Researchers at all levels to join our new team.

CPU System Architect

You will utilize processor's experience to ensure the CPU architecture features to satisfy the requirements of the application products and responsible to drive and define the CPU architecture.

Responsibilities

- Responsible for understanding different application scenarios of product requirements. Analyze the tradeoffs of different CPU architectures;
- Take part in the architecture design of CPU processor, to complete the partition between software and hardware, and to improve CPU processor architecture from the perspective of performance, power and area optimization;
- Take part in performance evaluation, based on mainstream benchmark and critical segment or snapshot of real-world application scenario, provide advice for chip architecture and performance modeling.

Qualifications

- Master degree or PHD in Electronic Engineering/Computer Engineering/ Computer Science;
- Proficient at high-end processor's application scenario and system solution;
- Familiar with mainstream benchmark;
- Familiar with mutual interactions among internal subsystems or functional modules, good knowledge on how to improve interaction performance or efficiency among subsystems or functional components;
- Good knowledge on software programming model and ecosystem of high-end processor, familiar with software design kit (libraries and functions);
- Capable to identify the hot-spots of the system application using software programming model;
- Familiar with the CPU architecture and the micro-architecture;

- Good command of written and spoken English and Chinese (Mandarin).
- Good team player with strong communication skills.

For interested parties, please send your full resume with and salary expectation to: chung.pui.yi@huawei.com. Applicants who are not invited for interview within 6 weeks may assume their application unsuccessful.