



Huawei Hong Kong Research Center

Huawei is establishing the Hong Kong Research Center with focus on CPU, Basic Software, AI, and network related research and development, from algorithm, software to chip set development. We are looking for high caliber Engineers and Researchers at all levels to join our new team.

Researcher/Research Intern/Senior Engineer in Networking

Responsibilities

Conducting cutting-edge research in the broad field of computer networking (such as 5G network, data center network, protocol design, congestion control, flow scheduling, etc.), exploring new online optimization/learning theory and algorithms, and enhancing the performance of related network applications and products.

Research areas include:

- Network architectures, such as 5G network, data center network, storage network, Internet overlay network, etc.
- Network protocol/algorithm design, including but not restricted to congestion & flow control, buffer/queue management, etc.
- Network modeling, network optimization and control, performance evaluation.
- Network simulation or emulation, such as ns-3, ns-2, MATLAB, etc.

A candidate can focus on one aforementioned research area given his/her expertise, and work together with other team members.

Requirements

- PhD students or postdocs in computer science, electrical/electronic engineering, applied mathematics and other related fields, and excellent masters with equivalent research experience are also welcome;
- Extensive research background and achievements with strong interest in networking and optimization research, have published relevant papers (such as IEEE and ACM) in high-level international conferences and academic journals, or have high-level competition experience;
- Knowledge in optimization theory/control theory/online learning / machine learning / reinforcement learning.
- Proficient in programming languages (at least one), such as C++ / C / Java / Golang/ Python / MATLAB, etc.
- Communication languages: Mandarin / English / Cantonese.
- Domain-specific experience or knowledge is considered an advantage, for example,
 - Experience in using simulation tools, such as ns-3 / ns-2 / MATLAB, etc.
 - Experience with RDMA/NVME over fabric/DPDK.
 - Understanding of modern router/switch/smart NIC.

To apply for this opportunity, please send your resume and a cover letter and salary expectations to choi.man@huawei.com. Applicants not invited for interview within 6 weeks from the closing date may assume their applications unsuccessful.