# Huawei Hong Kong Research Center 2024 Post-Doc Graduate Program – Researcher/Research Intern

**About Huawei**
Founded in 1987, Huawei is a leading global provider of information and communications technology (ICT) infrastructure and smart devices. We have 207,000 employees and operate in over 170 countries and regions, serving more than three billion people around the world. We are committed to bringing digital to every person, home and organization for a fully connected, intelligent world.

**About Huawei Hong Kong Research Center (HKRC)**
Established in 2018, HKRC is a fast-growing international research center that focuses on chipsets, software engineering, AI and theoretical research. For a short span of five years, HKRC saw its staff increase from over 100 members in 2019 to more than 460 in 2024. They come from more than 23 countries and regions, with 52% being PhD holders.

Having invested over USD10 million on technology cooperation each year, HKRC places great emphasis on R&D and has a successful track record in this regard. Equipped with well-furnished labs and offices, the research center hosts free tech talks and recreational activities on a regular basis.

Going forward, Huawei aims to capitalize on the unique strengths of Hong Kong, bring together high-end talents worldwide, and tap into quality resources from local universities to create a world-class research hub for technology innovation.

**As a Researcher candidate, you should:**
✓ Be a PhD/postdoctoral student majoring in computer science, engineering, statistics, mathematics and other related disciplines with a strong interest in theoretical/machine learning/AI research, or an excellent MPhil student with equivalent research experience;
✓ Have a solid track record in research, a strong interest in mathematics or algorithm research, relevant papers published (such as ACM) at high-level international conferences and on academic journals, or experience of high-level competitions;
✓ Be proficient in mainstream programming languages and deep learning engines, such as C++, Java, Python and TensorFlow;
✓ Have innovative thinking and the ability to apply new ideas to engineering scenarios; and
✓ Be passionate about research with a good teamwork spirit and communication skills.

**HKRC research areas include but are not limited to:**
✓ Deep learning, meta-learning, automatic machine learning, reinforcement learning, and Bayesian learning;
✓ Natural language processing, speech recognition, speech synthesis, machine translation, dialogue and question answering system, pre-trained language model, multi-model learning, and knowledge graph;
✓ Causal structure learning algorithm, and causal theory;

- ✔ Optimization of multi-factory joint machining plans, and development of large-scale linear programming solvers (CPLEX, Gurobi, SCIP, and CLP);
- ✔ Machine learning, data mining and AI theory and technology, including network traffic prediction, intelligent network management and control, and resource allocation optimization, transforming research ideas into enterprise solutions;
- ✔ Visualization of deep learning process (including training data, model training process and feature reasoning), text classification and clustering, language translation, and knowledge graph construction; and
- ✔ Optimal transport theory, nonlinear dynamic systems, optimal control, and graphs theories, graph computing, linear algebra, matrix analysis, random matrix, compressed sensing, signal processing, information theory, communication principles, optimization theory, operations research, calculus theory, nonlinear and AI network science and other basic theoretical research.

**As a successful candidate, you will be provided with**

- ✔ Opportunities to work on a wide range of challenging projects and exposure to cutting-edge technologies;
- ✔ Mentorship by world-class tech experts, which will be both exciting and conducive to your future career path;
- ✔ Competitive salary and benefits package and the professional advantages of a dynamic environment that supports your development and recognizes your achievements.

**For application**
Interested students please send the following documents and information to us by email hkrcrecruit@huawei.com, or simply click "APPLY"

- ✔ Your job preferences (full time/intern)
- ✔ Your full resume with your expected graduation date. For intern candidates, please specify: when can you start your internship, how many days per week can you intern, and the length of your internship period.
- ✔ Your research areas and interests.

All information collected is strictly for recruitment purposes.

**Join us and move the world forward!**