

AI Researcher / Intern Researcher

Responsibilities:

- Study advanced decision-making and optimization theories, including reinforcement learning, multi-agent systems, black box optimization, and neural combinatorial optimization.
- Focus on advanced uncertainty modeling, sample efficiency of zero-order optimization, sequential decision-making and combinatorial optimization.
- Responsible for using the above decision theory and algorithm to explore the CPU architecture design space, find the optimal design parameters to balance chip performance / power consumption / area;
- Explore data-driven chip performance / power consumption models to accelerate circuit simulation.

Requirements:

- Master or PhD in Computer, Communication or Mathematics;
- Solid knowledge or experience in statistics, optimization and machine learning;
- Have good programming skills and good problem solving skills,
- Proficient in Python language and at least one framework such as Tensorflow or Pytorch.
- Merit: research experience in computer architecture / chip design / EDA algorithm; reinforcement learning / Bayesian optimization / Gaussian process / Bayesian neural network.

Interested students please submit CV to choi.man@huawei.com by June 2020. Application for Internship (Part-time/Full Time) & Full time are welcome.