

## **Job Openings for Research Assistants (CUHK, HKU, HKUST)**

The collaborative effort of CUHK, HKU and HKUST is recruiting research assistants to work on designing and testing electronics for the ATLAS particle detector of the Large Hadron Collider (LHC) at CERN. The LHC is the largest and highest energy particle accelerator in the world that aims at probing the fundamental structure of matter using high-energy particle collisions. The team, which is made up of physicists, electronic engineers and computer scientists, is looking for research assistants who are willing to learn and demonstrate creative, analytical and good troubleshooting skills. The detailed job description is as follows.

Title: Research Assistant

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Responsibilities: Job duties include electronic hardware designs (such as printed circuit boards, electronic systems and devices), firmware design, designing testing procedures and conducting testing and measurements. The work requires visits among CUHK, HKU and HKUST campuses, and yearly or bi-yearly visits to laboratories in mainland China and foreign countries (such as CERN in Switzerland).

Requirement: BENG degree or equivalent in electrical/electronic/mechanical engineering, computer science or physics.

Skills: knowledge of PCB design (Cadence allegro / Altium / PADS), programming (C / C++ / Python / Qt), FPGA programming (Verilog / VHDL) and experience in electronic equipment operation (power supply, oscilloscope etc.) would be helpful.

Duration: Yearly contract and renewable

Start date: June, 2019.

Monthly salary: \$16,000 to \$22,000+ (commensurate with experience and responsibilities).

Interested persons please send your CV to  
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