



The Independent Schools Foundation Academy (The ISF Academy), a private independent IB World School in Hong Kong, offers a sophisticated Putonghua and English immersion curriculum for Pre-Primary to Grade 12; the school currently has over 2,000 students and 400 employees.

The *Shuyuan* Science Program is a key part of the science curriculum at The ISF Academy. The *Shuyuan* program supports both scientific research and science education that is designed to increase awareness, understanding and participation of the sciences. *Shuyuan* research projects are intended to be conducted by students but also aim to make meaningful contributions to the body of scientific knowledge.

On top of the *Shuyuan* program, The Independent Schools Foundation (“the Foundation”) is to establish a non-profit research and education center, **The Charles Kao STEM Education Research Center**, based on the principles and practices of STEM as applied to age groups from infants through to young adults. Stanford University’s Graduate School of Education is partnering with the Foundation to design and operate a Maker Space to host innovative technology projects for children. This Center will host education researchers and offer a range of internationally accredited and government-approved learning programs and courses with a strong STEM focus to students all over Hong Kong.

We currently have an exciting opportunity available for an energetic, qualified, and experienced candidate to join our *Shuyuan* team as a research assistant. This position will support both *Shuyuan* learning programs and courses, as well as the educational research project.

#### **Research Assistant (Ref:SY/RA/20180306\_isf)**

##### **Responsibilities:**

- To coordinate the use of resources and facilities and provide assistance and advice in the practical needs of robotics and electronics projects.
- To set up a new research space, maintain equipment (e.g. optical system, high speed camera, etc) and materials in safe and good order.
- To assist in educational research projects in collaboration with Stanford University.
- To carry out research protocols and contribute to the design, development and maintenance of specialist resources and/or long-term projects.
- To ensure the availability of suitable materials and equipment, helping to compile orders and liaising or negotiating with suppliers and finance departments.
- To work with outside researchers and organizations on a project basis.
- To offer administrative support and perform other duties as assigned.
- To maintain and promote a healthy, safe and efficient working environment

**Requirements:**

- Bachelor Degree or above in Physics, Electronics Engineering or Mechanical Engineering
- Proficiency in Arduino and Raspberry Pi.
- Experienced in drone operations for scientific projects.
- Interested in nanotechnologies and other emerging technologies.
- Excellent written and verbal communication skills in English and Chinese (Cantonese and Putonghua).
- Meticulous, detail-oriented with high initiative.
- Strong IT skills.
- Ability to optimize novel protocols for *Shuyuan* programs and courses.
- Graduates with Bachelor's or Master's Degrees in relevant academic disciplines may also be considered

**Application deadline: 30 April 2018**

Remuneration will be commensurate with qualifications and experience. We offer an attractive benefits package, including medical, life, professional development & continuing education and transportation to the right candidate. Interested parties are invited to submit an application with a full Curriculum Vitae, covering letter and expected salary to [career@isf.edu.hk](mailto:career@isf.edu.hk) and quote our 'ref. no'.

*Personal data is collected for employment purposes only.*