Lai Chun-tak, a fresh graduate from the College of Science and Engineering (CSE) at City University of Hong Kong (CityU), is now pursuing a PhD degree at CityU. During his undergraduate studies, he won many competitions for the tools that he invented for use in daily life. CSE encourages students to invent their own creations and take part in local, regional and international competition in order to boost their academic performance and contribute to society. Now he is going to let us know more about CityU's CSE.

During my four years at CityU, I had a taste of professional work as an intern at a global supplier of industrial components and tools. I was also honored to represent the College, joining the science and engineering competitions, in which I received several awards. I won the “Solve for Tomorrow” competition for my energy-saving air-conditioning system. My fellow students and I won the championship in the Joint Institutes Competition organized by the Hong Kong Institute of Engineers for our efficiency enhancement of heating, ventilation and air-conditioning systems.

**Guidance and support for research**

Thanks to the College’s support and training, I was able to receive awards in competitions. The College’s faculty members kindly help us prepare for competitions and allow us to use the advanced laboratories outside class hours. In addition to professional advice, the College also offers us financial support to facilitate research when necessary.

Participation in competitions has enhanced my academic development since I need to read a lot of journal articles, which has fostered my analytical skills and self-learning ability. Also, I became more concerned about the needs of society. For my final-year project, I studied smart power chargers and developed a compact one for mobile devices.

As a technology society, Hong Kong needs more innovations and inventions. I believe that new technology has the power to change society, and scientific as well as engineering knowledge can prompt such changes. In the end, science and engineering care about society, and scientific as well as engineering knowledge can prompt such changes. In the end, science and engineering care about society, and scientific as well as engineering knowledge can prompt such changes. In the end, science and engineering care about society, and scientific as well as engineering knowledge can prompt such changes. In the end, science and engineering care about society, and scientific as well as engineering knowledge can prompt such changes.