Music X Computer X AI

Traditionally one may think Electrical Engineering and Music are two disciplines far apart from each other. People typically believe it is more likely for an electrical engineer to take on music than for musicians to take on engineering. Professor Yi-Wen Liu of Department of Electrical Engineering, National Tsing Hua University (NTHU) and Professor Yi-Hsuan Yang of AL Lab are two such examples of technical people taking on music. However, when I did my postdoc at Stanford in 1993, many of the postdocs and researchers had a prior degree in music. One example was Xavier Serra. Xavier is one of the founders of Vocaloid technology. He grew up playing cello and guitar, has a master's degree in music, moved to the study of audio signal processing for music applications for his PHD, and now working on *Computational models for the discovery of world's music*. [Read more.](#)

Junyi School of Innovation:
Green Architecture Projects

Junyi School of Innovation values practical learning. In effort to improve the audio experience of the Wonderland Performing Arts Center, 11th graders of the Green Architecture program designed an acoustical shell applying their learnings in phonology as well as considering safety, size and accessibility. 12th graders of the program were tasked to design a food truck which will serve food and beverages to audience of the performing arts center. The final design was an easy-to-move multipurpose food truck with ample storage space.

Students proposed the designs to Chair Stanley Yen; the designs will go forward in being built.

Junyi School of Innovation:
Extracurricular Programs

In effort to nurture self-disciplined learners, Junyi School of Innovation's extracurricular programs have been shifted from weekdays to weekends to give students independent learning time afterschool. This semester, extracurricular programs include sports, dance, arts, culture, music production, culinary, aboriginal culture, and photography to name a few. Students were invited to participate in the redesigning of the programs collaborating with teachers discussing potential guest teachers as well as assisting with administrative affairs of the programs. Programs were restructured to be more comprehensive covering both practical and theoretical learnings.

The Alliance Cultural Foundation:
Gosh Creative Arts Camp Reflections & Recruitment

This year, Gosh Creative Arts Camp will recruit in total 52 campers from across Taiwan in the senior high level. 23rd April, representatives of the Gosh Foundation and The Alliance Cultural Foundation conducted reflections and recruitment sessions at the Junyi School of Innovation and the National Taitung Senior High School. At the sessions, past campers were invited to share their experiences from the application process to their experiences and takeaways from the camp inspiring many to apply. The camp brings together a group of talents with diverse backgrounds to co-create. Though a wide variety of courses are offered, its aim isn't focused on nurturing the skill but to help campers uncover a deeper understanding of self.

The Alliance Cultural Foundation:
Huatung Choir Camp Volunteer Training

The Huatung Choir Camp volunteer training takes place once a month. At this month's training, volunteers were reminded of the significant role they will play in the campers' lives, that their role goes far beyond the role of a volunteer. Volunteers also discussed the importance of maintaining responsibility, compassion, patience, emotional management throughout the camp. Through role-playing, volunteers discussed how to resolve problems that may arise. From the training, volunteers feel more confident and connected moving towards the same goal.