



為了增強美國華盛頓大學與國立陽明交通大學的學術研究合作關係，同時預期能為兩校之共同學術論文發表產生貢獻，於本校畢業後，任職華仁人工智慧實驗室（UW-NCTU AI Labs）的研究助理李仕柏同學，由「華仁全球講座」贊助至美國華盛頓大學黃正能教授實驗室，以「運用深度學習模型針對毫米波雷對人體進行三維關節點偵測」為研究主題進行移地研究。

談及本次出國短期交換的動機，李仕柏同學提到，從進入大學校園求學至研究所，一直以來便有著「出國工作」的夢想，但如果想要到美國工作，則需要先取得碩士或博士學位。此行的主要希望能在申請之前先體驗國外的生活，增廣見聞的同時，在自己的履歷上留下出國交換的記錄，做為未來申請入學、求職的加分項目。自2021年九月開始到受訪時，李仕柏同學已在美國待了五個月有餘，除了新冠疫情所帶來的部分影響，位於西雅圖的華盛頓大學不論是天氣、交通或是治安，皆令身為異鄉遊子的李仕柏十分滿意。華盛頓大學因地處美國西岸，氣候受鄰近海洋影響，全年氣溫變化和緩，適宜人居；同時因身繫輔助西雅圖地區經濟建設與發展之重任，華盛頓大學附近有眾多公車路線經過，亦可選擇搭乘輕軌前往市區。

疫情之下，各式長短期出國交換意願明顯受其影響，激增的新冠肺炎確診案例不單使眾學子望之卻步，甚至打亂長期求學規劃。李仕柏憶起最初抵達美國時，疫情初有趨緩趨勢，恰逢當地為時近兩年的封鎖結束，處處人山人海，令他印

象十分深刻。聊到授課方式差異，李仕柏認為差異不大，不必過於擔心會不適應。另一方面，有關移地研究之實驗室的工作環境和氛圍，李仕柏舉了實驗室內與自己共事的中國學生為例，據他觀察發現，中國學生們很積極主動，受在地學風影響，想法也比較多。而教授研究風格方面，較傾向「提供研究方向」，配合學生的想法後進行產出，過程中不會過度拘束，給予較大的自由度與操作空間，於特定時機才會適時提出建議進行修正。「照著老師的意思，但是用其他的方式表達，再加上自己的想法進來。」李仕柏認為不論身為一名學生抑或研究者，「主動思考」為兩者皆須具備的能力。

對於尚在思索未來方向的學弟妹們，李仕柏給出了幾點建議。「我認為蠻多學生或許現在都會感到焦慮，苦思怎樣讓自己變得比較國際化。我覺得在此之前，應該要先想好自己到底要從事什麼工作。」具體來說，可以自「目前就讀的科系是否有興趣」此一簡單的問題開始思考，加上現實條件納入考量，權衡是否有繼續攻讀更高學歷的動力。此外「累積自己的履歷」亦十分重要，如其自身選擇嘗試之短期交換，有機會便要把握，積極申請，趁年輕時多積攢經驗，開拓視野，對於升學或求職都有極大幫助。

感謝李仕柏同學撥空受訪，分享交換心得。目前林一平教授和黃正能教授與本校、華大校友、華邦董事長焦佑鈞，已為二校學生募得互訪獎學金，再次鼓勵眾學子提出博碩士申請，體驗並開拓人生經驗與視野。

Off-Site Research at UW-NYCU Lab by Shih-Po Lee

In order to strengthen the academic research partnership between the University of Washington and National Yang Ming Chiao Tung University (NYCU), UW-NYCU AI Lab offers opportunities for students to conduct off-site research after graduation. Shih-Po Lee, a research assistant at UW-NYCU AI Lab was sponsored to conduct a research project in Dr. Jenq-Neng Hwang's lab on 3D Human Pose Estimation Using Millimeter Wave Radar.

Speaking about the motivation for this short-term exchange experience, Shih-Po Lee mentioned that he had always desired to work abroad since college. However, if he wants to work in the United States, he would need to obtain a master's or doctoral degree first. The purpose of this trip was to experience life abroad, broaden his horizons, and enrich his resume for future admissions and jobs. At the time of this interview, Shih-Po Lee had been in the United States for more than five months since September 2021. Although everything was slightly affected by the Covid-19 pandemic, he found attending school at the University of Washington very satisfying for him in terms of the weather, transportation, and security. The school is located on the west coast and is near the ocean, so the gentle temperate is often pretty comforting to live in. Besides, the school is near the center of economic development in Seattle with numerous bus routes and light rail transit options available to get to the city center.

The pandemic has had an impact on the willingness of students to apply for oversea exchange opportunities. Moreover, many students' long-term study plans were disrupted. However, he was very surprised to see crowds of people everywhere when he first arrived at the U.S. because the time was coincidentally the end of a two-year lockdown with fewer confirmed Covid cases. When it comes to the differences in professors' teaching methods between Taiwan and America, Shih-Po Lee thinks that there is no need to worry too much about not being able to fit in the environment.

Regarding the working environment and atmosphere in the laboratory for off-site research, he recalled that students from mainland China he worked with were very hard-working and proactive with lots of innovative ideas.

In terms of research style, the professors are not overly too restrictive with more freedom toward students' ideas. Usually, they will provide some broader direction first, then provide their suggestions later on. Shih-Po Lee said, "we would do what professors' said, but we also integrate our ideas." He believes that active thinking is necessary for both students or researchers. For students who are frustrated about their future direction, Shih-Po Lee offers a few suggestions. "I think a lot of students are probably feeling anxious right now, thinking about how exactly they can develop their abilities as an international talent. To that question, I think it's important to consider what kind of job you would be interested in before you start doing it.

Specifically, you can ask yourself a simple question of whether or not you are interested in your current field of study, and then take into account the realities of the situation to see if you have the motivation to pursue a higher degree. In addition, it is also important to accumulate your resume. For example, seize your opportunity to apply for a short-term exchange position by taking action actively. Also, try to gain more experience in any domain and broaden your horizons at your age. These will be of great help in further education or job hunting.

We really appreciate Shih-Po Lee's time to share his experience through this interview. The funding for this exchange program is kindly raised by Dr. Jason Yi-Bing Lin, Dr. Jenq-Neng Hwang, and Arthur Chiao, the chairman of the Broad of Winbond (alumni of NYCU and UW). Students are welcome to apply to this exchange program to gain a different life experience.