

Internship Zhichao Zhao from China at PSI Institute, 01.08.2015-30.10.2015

My internship report

We always wish for the new year to be better and greater than the past but looking back, 2015 has already been a pretty great year for me. For the first time I was away from school, had my first overseas jobs, travelled the world and most importantly, made many new friends. Having said this: Einen guten Rutsch ins neue Jahr!- It was a pleasure meeting you all and I wouldn't trade this time in Switzerland for the world :)

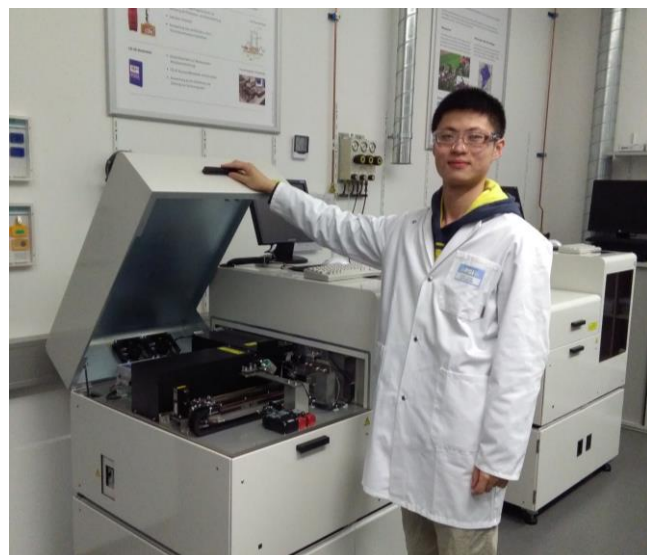
I am Zhichao Zhao from China, so fortunate i am to practice in PSI Switzerland, covering a period of 3 months from August to October 2015.

PSI is the largest research centre for natural and engineering sciences within Switzerland. My project was the development of holders for the combination of a RPL and a PADC dosimeter into a set for carrying by a person. Although i was just an intern, i am fully in charge of this holders development. Thanks to my dear colleagues, they give me credit i never have in my country. I finished 10000 purchase order independently, and the first version of my design has already delivered to PSI. my project fully satisfied the expectations as my boss said, which gives me a strong sense of achievement and confidence.



Besides my project, i was also responsible for the maintenance of radiation dosimeter, collecting the radiation dosimeter for the whole PSI staff, detection dose of radiation, testing of the software and installation of the dosimeter holders. Working from 8:00 am to 5:00pm on weekdays, i had chance to use the 3D printer, laser cutting, CNC machine etc. , which made me feel excited. To be honest, i learned quite a lot from this working experience. As a fresh person who has never knowledge of radiation before, i would never forget how excited and tensional i

was on my first day and how embarrassing it was when i was surrounded by strangers and no one talked to me. I did not know what to do and what i was able to do at first. It seemed as if i was totally useless because there was nothing i could do. I could not even write a report because i had no idea about the work finished and unfinished. I learned from the very basic, reading product description and attending all the meeting to get familiar with the work. To become friend with my teammates and let them teach me how to install the equipment or make conversion of them, i tried hard to show my goodwill. I was fairly grateful because they were nice people and were rather helpful.



The working experience left a deep impression on me, i could not help shaking when i was climbing the elevated in the Swiss light sauce. I am so proud that my project the single/double holders will be used for SwissFEL from next year for the whole PSI and ETH staff. Thank to this internship, which definitely influence my future career life and let me know which career I really want to pursue. I am not only learn how to use CAD software to design my project, but also i got the idea of how to they were carried out, and most important this is learn the way to working, discussing with people from different backgrounds. Show your respect the work habits, bold to express your own ideas.

The best thing is I can immerse myself in Swiss culture for 3 months, but I feel that is not enough. I would like to stay here longer but I have to go back to finish my study. Anyway, I will treasure my memory in Switzerland forever.

