

# SUCCESS STORY



[www.bioalberta.com](http://www.bioalberta.com)

[acelsmedical.com](http://acelsmedical.com)

Acels Medical is invested in the research, development, and future production of Extracorporeal Life Support (ECLS) technologies. Acels focuses on manufacturing an ECLS device that serves in emergencies to support a patient in life-threatening conditions. Such a device can partially substitute for heart and lung functions by introducing an external pump and an oxygenator. The pump helps to circulate blood from the patient's body, then the oxygenator adds oxygen and removes carbon dioxide from the blood, and the refreshed blood is reintroduced back into the patient's body. The technology was transferred from Ecmius Biomedical. Ecmius had started to develop the initial prototype for adult applications, and now, the prototype is assembled and tested for performance in Acels' clean room facility.



*Jindan Wang*

Jindan Wang, a first-year Science student at Medicine Hat College, applied for a position with Acels to learn medical industry technologies and gain work experience with professionals in the field. She wanted to apply her knowledge and skills learned in school to practical situations. She says, "During my time at Acels, I not only had opportunities to work with industry experts, but also gain experience in everyday business and learn that side of the industry, too. Work experience at Acels will help me greatly in the future, at school, and even my future career." Jindan worked on a variety of tasks including a step approval of purchasing and invoicing inside Kingdee's enterprise resource planning (ERP) cloud software and helped to bridge cultural and language differences between Canadian and Chinese teams. Jindan goes on to say, "Working under the guidance of a variety of skilled professionals has been an incredibly exciting aspect of

my summer position. It inspires me to pursue my passion and dreams with more confidence. I would like to devote myself to public health services.”

Acels was very pleased to have a skilled and culturally sensitive employee in Jindan, and they were able to help her turn her enthusiasm into material gain and product advancement. Both parties were thrilled with how the work term went, with Jindan saying, “These last four months working for Acels have been very exciting. The people I have met have inspired me to continue developing my own skills and knowledge, and the BioAlberta WIL funding has made that possible. I am extremely fortunate to have gained this practical work experience, and I am eager to continue my work in the future.”

We can't wait to see what's next!

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# WIL VOUCHER

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Alberta

The logo for bioalberta features the word "bio" in a bold, lowercase, sans-serif font, with a small green leaf icon above the letter "i". Below "bio" is the word "alberta" in a lowercase, sans-serif font. Underneath "alberta" is the text "Association for Life Sciences Industry" in a smaller, lowercase, sans-serif font.  
bioalberta  
Association for Life Sciences Industry

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