

SUCCESS STORY



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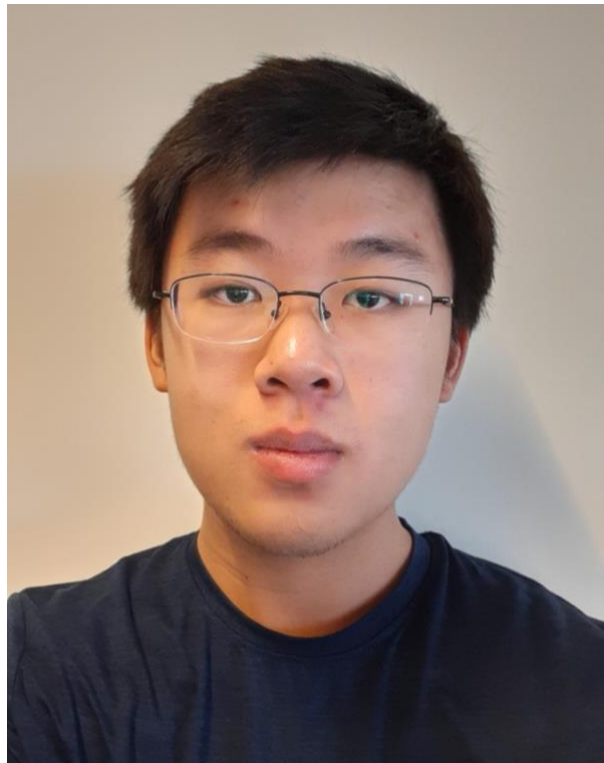


www.ecmius.com

Ecmius Biomedical is invested in the research, development, and future production of Extra-corporal Life Support (ECLS) technologies. Ecmius aims to address the shortcomings of current clinical systems and to improve patient recovery and cost containment.

Cannulas are a crucial component of ECLS. Cannulas are tubes that connect the systems to the patient, enabling the removal of the blood and reintroducing it back into the patient after it moves through the extra corporeal membrane oxygenation (ECMO) system. Ecmius is currently focussed on addressing technical challenges in the complex cannula micro-fabrication process and is focused on developing automatization for cannula manufacturing.

Amoz Chin, a first-year Mathematics student at the University of Calgary, applied for a position at Ecmius to gain experience in a professional environment, and to expose himself to the inner workings behind the development of medical devices. As an undergraduate student hoping to work in the medical field, he wanted to learn why and how the equipment he



Amoz Chin

might be working with in the future is developed and improved. During his time at Ecmius, he was able to work on a variety of tasks including mechanical smoothing of pump parts, assembly of respirators, prototype testing, and programming. He also got to work with his supervisors on developing a schedule for production and recorded the effects of changing parameters during the assembly of the respirators.

Amoz says, “The aspect of my work that most inspires me is the knowledge that any progress or contribution that I make to the company will result in the betterment of the lives of many of the future users of the technology in development. The most exciting part of my employment was getting to fully assemble and test respirators and seeing changes as a result of changing parameters during the process.”

Amoz is grateful for the experience he gained at Ecmius. The company, the people, and the WIL funding, he says, “has given me the opportunity to experience an amazing work environment, insight into the field of medical technology, and a place to learn and grow.” He leaves us with some final thoughts: “The experience that was provided to me this summer will hopefully help me in following my dreams of becoming a doctor. I am immensely grateful to my amazing supervisors, senior employees, and BioAlberta for providing the opportunity to grow and flourish, as well as a work environment that is perfectly suited for it. Working at Ecmius Biomedical has truly provided me with a deeper understanding and appreciation of all the work that goes into even the smallest of design changes in the development of medical devices.”

For Ecmius’ part, they were very pleased to see the skills Amoz brought to his work, how excited he was about his work, and that they as a company were able to access and materialize his potential. Ecmius is quick to acknowledge that WIL funding played a part.

Amoz is wished great success in his continued education and his future career!

WIL VOUCHER

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