SUCCESS STORY

www.bioalberta.com www.orpyx.com

Orpyx is a leading digital therapeutics company that is committed to extending healthspan for people living with diabetes through personalized remote care. Based in Calgary, our flagship product, the Orpyx SI® Sensory Insole system, is transforming diabetes care by helping prevent diabetic foot ulcers, a major complication of diabetes that can lead to amputation. Our dedicated remote patient monitoring team, comprising credentialed providers and nurses, utilizes advanced data science methodologies to provide personalized support and triaged clinical escalation. With this whole-person approach, Orpyx empowers people to take control of their health, prevent debilitating complications and extend their healthspan.

Over the years, Orpyx's Research and Development team has had the incredible privilege of having numerous ambitious and talented internship students. Among them, Adam Junck stood out as an individual who made tremendous impacts on the Test Engineering and Sensor and Tools Development teams.

Adam Junck

In Spring 2023, Adam completed his Bachelor of Science in Electrical Engineering program at the Schulich School of Engineering at the University of Calgary, which included a capstone project completed in partnership with Orpyx. Adam thrived in the fast-paced and dynamic atmosphere of Orpyx. Understanding his exceptional capabilities and talents, the Orpyx team was thrilled to welcome Adam for a four-month internship as a Test and Tool Designer, partially funded by the BioAlberta WIL program.

Adam worked on sensor and tool development and was directly involved with making improvements to the pressure sensor design and manufacturing procedures. His focus was on data collection and analysis of pressure sensor performance which was of critical importance to Orpyx's ongoing work. One project he actively

contributed to involved conducting an internal user study where multiple users wore variants of pressure-sensing insoles underfoot for several weeks while high-pressure alerts from the insoles were monitored. According to Adam, "analyzing data from real users was an intriguing change as I had to navigate and compensate for human interaction in the data." The results of that testing contributed to advancing an important design change that improved the reliability, consistency, and expediency of the sensor calibration process. Adam's involvement on the project was highly impactful to the Research and Development team and to the company's flagship product, the Orpyx SI® Sensory Insoles.

Adam felt that his experience at Orpyx would play a crucial role in supporting the next phase of his career as he pursues graduate studies in Engineering. "The drive and determination of my co-workers inspires greatness every day. Everyone is devoted to the common goal of extending the healthspan for people living with diabetes. The people at Orpyx are wonderful teachers, providing feedback and developing me as a professional. I am confident that my experiences with Orpyx set me up to excel in my Master's program and in my subsequent career."