

# Kai Elrick

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Blue Robotics  
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Dear Hiring Manager,

I am writing to express my strong interest in the Mechanical Design Co-op role at Blue Robotics. As a passionate engineering student-athlete at Western University, I am confident that my technical skills, hands-on experience, and strong work ethic would be a valuable addition to your team.

As a third-year Mechatronic Systems Engineering student, I have a strong understanding of mechanical systems and how they integrate within larger electro-mechanical designs. During my internships at Fluidesign Composites and the Translational Biophotonics Lab, I created tooling which significantly improved production efficiency, designed a low-cost medical spectrometer, and took new product ideas from design to production.

During my internship at Fluidesign Composites, I took initiative to address production challenges and inefficiencies. I used SolidWorks and Ansys Workbench to design production-ready parts and assemblies, verified functionality using FEA, created 3D printed prototypes to test functionality, and worked closely with machinists and technicians to finalize production-ready models. I implemented updated project report and SOP procedures company-wide and took pride in ensuring clear and precise communication with coworkers and external vendors. I am excited to bring these technical and interpersonal skills to Blue Robotics.

In addition to my technical background, my commitment to rowing at the collegiate level has honed my discipline, time management, and teamwork abilities. I have competed for Western University and Team Alberta, earning medals at provincial, national, and international regattas. This experience has taught me to balance academic, professional, and extracurricular commitments while excelling in each.

As an avid scuba diver and outdoors lover, I am eager to bring this same dedication and determination to Blue Robotics. I look forward to the opportunity to contribute to your team and discuss how my skills align with the needs of your organization. Thank you for your time and consideration.

Sincerely,

Kai Elrick