VICTORIA PINCHUK

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PROFESSIONAL SUMMARY

Biomedical Engineering student at the University of Colorado Boulder with hands-on research experience and a strong interest in biomedical innovation. Skilled in applying engineering principles to biological and medical problems, analyzing research data, and working collaboratively in research environments. Passionate about pursuing research that advances healthcare technologies and improves patient outcomes.

EXPERIENCE

Undergraduate Research Assistant — January, 2026 - Present

University of Colorado Boulder

- Working in undergraduate research in a computational fluid dynamics lab studying vWF dynamics in stroke reperfusion.
- Assisted with data analysis of mouse stroke models and characterization of flow regimes in healthy and diseased conditions.
- Gained experience in fluid dynamics, computational biology, and biomedical data interpretation.

Summer Undergraduate Research Assistant — May 2026-August 2026

University of Colorado, Colorado Springs

- Investigated near-infrared dyes for targeted cancer imaging and selective cancer-cell binding.
- Performed Leica confocal microscopy and 3D z-stack imaging of cell lines.
- Quantified fluorescence intensity to evaluate dye localization and binding efficiency.

Gymnastics Coach — January 2025-August 2025

The Sundance Studio

- Led structured gymnastics training for children ages 3–12, prioritizing safety, clear instruction, and skill development
- Adapted coaching methods and lesson plans to individual student needs, supporting continuous improvement and progression
- Maintained organized, safe training environments and equipment

EDUCATION

University of Colorado Boulder, May 2029

Bachelor of Science in Biomedical Engineering

KEY SKILLS

- Solidworks
- ImageJ
- Data Analysis
- Calculus
- Confocal Microscopy
- Problem Solving & Critical Thinking