

GRANT OGILVIE

MS

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BIOMECHANICS

EDUCATION

BRIGHAM YOUNG UNIVERSITY

MS	Mechanical Engineering	2025
BS	Mechanical Engineering	2023

AFFILIATIONS

Tau Beta Pi

PROFESSIONAL PROFILE

Mr. Grant Ogilvie completed his BS and MS in Mechanical Engineering from Brigham Young University. His masters research centered around the biomechanics of corn (maize) plants including how their leaves influence their strength and vibration characteristics over the course of the growing season. He also research carbon nanotubes, including helping to develop growth parameters for carbon nanotubes on metals used for medical implants and leading the nanotube fabrication team for Youtuber Mark Rober's World's Smallest Nerf Gun.

Mr. Ogilvie is starting his career as an Associate Scientist in Explico's Chicago office. His responsibilities include compiling reports on case materials, performing biomechanical analysis, collecting evidence and assisting with field inspections.

AFFILIATIONS

Biomechanics

EXPERIENCE

Explico

2025 - Present

Associate Scientist

Brigham Young University

2023 - 2025

Research Assistant - Crop Biomechanics Lab

2018 - 2023

Research Assistant - Applied Biomechanics Engineering Lab

Tioga Cardiovascular

2022

R&D Intern

AWARDS & HONORS

Winner of Mechanical Engineering Three-Minute Thesis Competition, Brigham Young University, 2025

Published article in BYU Design Review, Brigham Young University, 2023