

# ORTHOTICS & PROSTHETICS

EASTERN MICHIGAN UNIVERSITY  
MARCH 2022

Spring is upon us here at Eastern Michigan University! The halls of Rackham are receiving a lot of traffic this semester as first-year students have started tackling the fabrication of more in-depth orthoses and prostheses. Currently, they are working on articulated AFO's and TSB sockets. We are so proud of their progress since starting this program! Although our second-year students are winding down their time with us, they have been busier than ever with presenting their capstone projects and preparing for the CPM exam and graduation. We are SO excited to announce that the MSOP Class of 2022 has received 100% residency placement! They have worked hard through adversity and we are absolutely thrilled to be able to soon call them alumni of our program.

INTRODUCING...

*Phoebe Evelyn Lindquist*



Congratulations to our faculty member Jake and his wife Trisha on welcoming their first child!



## 2nd Year Capstone Projects

Anista Subri - Clinician Perception of 3D-Printed O&P Devices

Daniel Gieselmann - Ankle and Foot Measurements in Military Recruits: A Cross-Sectional Study

Dean Karkut - The Relationship Between Body Powered or Myoelectric Prosthesis and Quality of Life in Upper Extremity Amputees

Garrick Loewen & Dennis Hoekzema - Considerations for Design and Fabrication of Custom Sledge Hockey Seating

Hollie Mincone - Exploring the Environmental and Cultural Effects on the Durability of Prosthetic Feet in Multiple Resource Limited Countries

Jace Briggs - Survey On O&P Professionals Perspectives on Patient Education In Orthotics and Prosthetics

Jared Unger - Confidence of Nursing Students in Caring for Acute Post-Operative Patients After Amputation

Kaleigh Neely - Using Virtual Reality to Supplement Orthotics and Prosthetics Education

Kayla Reardon - The Reliability and Validity of Kinovea Software Analysis for the Measurement of Cervical Range of Motion in Infants

Leah Hall - Pediatric Accommodative Shoes

Leeann von Korff - Qualitative and Quantitative Analysis of Student Education on 3D Scanning Techniques

Maddison Santoro - How Orthotic and Prosthetic Programs are Addressing Communication with Patients Who Are Deaf/deaf/HOH

Madison Ciccaglione & Anna Stark - The Impact of Coronal Plane Socket Alignment on the Comfort of Patients with Transtibial Amputations

Rachel Summers - The Relationship Between Self-Esteem and Orthotic Treatment Compliance in Children with Adolescent Idiopathic Scoliosis

Sarah Thomas - Treatment of Congenital Muscular Torticollis when Paired with Moderate to Severe Deformational Plagiocephaly

# EMU AT THE ACADEMY MEETING

EMU had wonderful student representation at this years American Academy of Orthotists and Prosthetists national meeting!

Our students really enjoyed the connections they were able to make as well as the informative and student oriented sessions offered throughout the week.



## FUNDRAISER ALERT

Help support two of our graduating students, Kaleigh and Autumn, as they journey to Equador!

Kaleigh and Autumn both serve as ambassadors for The Range of Motion Project (ROMP). ROMP is a non-profit focussed on giving people back their mobility. Both Kaleigh and Autumn are volunteering to work in their prosthetics clinic in Equador this coming May. All funding will go towards the clinical costs of the patients they will see while in Equador. Scan the QR codes to contribute!



ROMP's Mission: "To provide high quality prosthetic care in underserved populations, which enhances mobility and unlocks human potential."



Follow our social media!

**Instagram:** @emichmsop  
**Tik Tok:** @EMUoops  
**Facebook:** Eastern Michigan University Orthotics & Prosthetics



# MEET THE NEW GA TEAM!



## AMELIA ZIMMER

Amelia graduated with a Bachelors in Human Kinetics from the University of Windsor.

She has practiced as a Registered Kinesiologist in Ontario, prior to becoming a Physical Therapy Technician and Personal Trainer in Michigan. Amelia first interacted with O&P while working at a neurological rehabilitation physical therapy clinic. After researching O&P, talking to the COs and CPOs that she interacted with, she knew this was the avenue in which she wanted to provide patient care. Amelia is excited to support and provide mentorship for our incoming cohort, as well as share her passion about this awesome field. She is also looking forward to working with her fellow GAs, providing support to our all-star faculty and being able to contribute to our amazing program in this capacity.



## ABBY CULL

Abby graduated with a BS in Health Care Administration and has been working as a CTPO and clinical assistant for the past 6 years.

She was first introduced to O&P by her high school guidance counselor. Upon shadowing, she fell in love with the field. She finds it so rewarding to be able to provide people with the tools to live their lives to the fullest. Abby is looking forward to teaching others how to safely develop their technical skills. She is committed to helping foster everyone's individual abilities to develop a well-rounded group of future O&P clinicians!



## SOPHIA MANCINI

Sophia is a native of Youngstown, OH. She received a Bachelor's in Kinesiology & Sport Science from Youngstown State University in 2019 and a Master's in Biomechanics from Ball State University in 2021. She became interested in O&P while searching for a clinical way to apply her background in Biomechanics. After just 1 day shadowing a CPO, she knew O&P was the path she wanted to pursue. As a second year GA, Sophia is looking forward to working with the new team and getting the opportunity to help guide the first years!

