

# Lukas Baltzer

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<b>Education</b>	<b>Bachelor of Science in Mechanical Engineering</b> , December 2023 <b>Master of Business Administration, International Business Analytics</b> , Spring 2025 <i>The University of Alabama</i> , Tuscaloosa, AL <b>Achievements:</b> Honors College, GPA: 3.723/4.0 <b>Scholarships:</b> UA Scholar; UA Engineering; Laverne Noyes
<b>Passports</b>	<b>Dual Citizen</b> , <i>Can legally live and work in 28 countries, no visa required</i> <ul style="list-style-type: none"><li>• United States of America</li><li>• European Union (Lithuania)</li></ul>
<b>Computer Experience</b>	RobotExpert, SolidWorks, Fusion 360, MatLab, React, JavaScript, CSS, HTML5, Microsoft: Access, PowerPoint, Excel
<b>Professional Experience</b>	<b>US Army Futures Command Exoskeleton Project Advisor</b> , Summer 2022 <i>US Department of Defense X-Force Fellow at Robotics Requirements Division</i> , Ft. Benning, GA <ul style="list-style-type: none"><li>• Strategically redirected integration strategy for exoskeletons with the US Army in response to the critical Priority 1 objective set forth by the Pentagon; one of only three interns ever invited to Ft. Benning</li><li>• Revised the capabilities document (A-CDD) for the new 3-stage integration plan to secure multi-million dollar funding from Congress to sustain both private and government exoskeleton research and development</li><li>• Pursued tactical implementation of multiple robotic aids through relationships cultivated with Boston Dynamics, Georgia Tech Research Institute, DEVCOM Soldier Center, Auburn University, and Army Research Lab</li></ul> <b>Parts Quality Engineer</b> , Fall 2021 <i>Mercedes-Benz, U.S. International</i> , Vance, AL <ul style="list-style-type: none"><li>• Led efforts to identify and implement short-term and long-term solutions to correct repetitive manufacturing issues</li><li>• Delivered estimated \$100,000+ cost savings through temporary pinched-wire harness solution</li><li>• Implemented agile methodologies into successful cross-functional department efforts</li></ul>
<b>Entrepreneurial Experience</b>	<b>Startup Co-Founder</b> , Fall 2022 - Current <i>Microtype Technologies / The EDGE</i> , Tuscaloosa, AL <ul style="list-style-type: none"><li>• Innovated MEMS manufacturing processes based on multi-patented, National Science Foundation funded prototype</li><li>• Secured funding through multiple competitive presentations to venture capitalists and entrepreneurs</li></ul> <b>NASA Project Presentation</b> , Spring 2020 <i>STEM Path to the MBA Honors College Program</i> , Tuscaloosa, AL <ul style="list-style-type: none"><li>• Presented award-winning business project to NASA executives and university professors as part of small team</li><li>• Created a business plan to commercialize a NASA solar cell patent through a consumer bandage application</li></ul>
<b>Cultural Awareness</b>	<b>Lived outside the USA for one quarter of my life; lived on three continents</b>  <b>Santiago, Chile</b> , <i>International Mission Board</i> , Spring Break 2023 <ul style="list-style-type: none"><li>• Developed English fluency among middle and high school students in an underprivileged community school</li></ul> <b>Chacsinkín, Mexico</b> , <i>Acción Ministries</i> , January 2023 <ul style="list-style-type: none"><li>• Coordinated with locals to refine construction process to complete roof on building feeding 250 children daily</li></ul> <b>Dublin, Ireland</b> , <i>University College Dublin</i> , Spring 2022 <ul style="list-style-type: none"><li>• Studied one semester at the highest accredited engineering university in Ireland</li></ul> <b>Blantyre, Malawi</b> , <i>CURE International</i> , July 2019 <ul style="list-style-type: none"><li>• Empowered ostracized children by volunteering in a mission hospital to provide encouragement and support</li></ul> <b>Väätsa, Estonia</b> , <i>Josiah Venture</i> , July 2018 <ul style="list-style-type: none"><li>• Guided local teens toward a higher lingual proficiency by helping run an English improvement week-long camp</li></ul> <b>Lithuania</b> , June – July 2014 <ul style="list-style-type: none"><li>• Lived with family members in various cities; improved language fluency and cultural understanding</li></ul> <b>Chennai, India</b> , 2008 - 2014 <ul style="list-style-type: none"><li>• Learned to flourish in a challenging cross-cultural environment, adapted to different local education system</li></ul>