JORDAN P. HARDY

jordanpattenhardy@gmail.com • (801) 636-2468 • www.linkedin.com/in/jordanpattenhardy

EDUCATION

Bachelor of Science: Mechanical Engineering **Expected Apr 2027**
Brigham Young University

- GPA 3.96 │ Herbert V. and Berniece B. Kramer Scholarship Recipient
- Relevant Coursework: Manufacturing Processes, Materials Science, Thermodynamics, Heat Transfer (Winter 2026), Fluid Dynamics (Winter 2026), Computer Aided Design

RESEARCH EXPERIENCE

Engineering for Global Health Research **Apr 2025 - Present**

- Developing sustainable medical technologies for resource-limited healthcare settings
- Conducting technical reviews and preparing documentation for research proposals

Disaster Relief and Mitigation Research **Aug 2024 - Apr 2025**

- Optimized emergency response systems using social impact diffusion models
- Coauthored a published paper for the ASME IDETC 2025 conference
- Delivered a technical presentation on a data-driven disaster relief system optimization

WORK & VOLUNTEER EXPERIENCE

Teaching Assistant - Newtonian Mechanics **Jan 2024 - May 2025**
Brigham Young University

- Supported instruction of undergraduates in core engineering and physics concepts
- Graded assignments and provided detailed feedback to enhance learning

Full-time Representative **Jun 2022 - Dec 2023**
Church of Jesus Christ of Latter-Day Saints

- Completed 18 months of proselyting and community service in Spanish
- Taught English to 4-8 community members weekly
- Led groups of 10-12 volunteers and conducted regular training meetings

SKILLS AND ACHIEVEMENTS

- **Software & Tools:** Onshape, SolidWorks, Python, C++, LaTeX, Ansys Workbench, MATLAB, Microsoft Office
- **Technical Skills:** Mechanical design, computer-aided modeling, technical & project documentation, data analysis, cross-functional communication
- **Certifications:** BYU Weidman Center Leadership Certificate (Expected 2027), Spanish Language Certificate (Expected 2027)
- **Awards/Activities:** BYU Engineering Together Research Mentorship Award; Member of the American Society of Mechanical Engineers (ASME), the Society of Women Engineers (SWE), and the BYU Biomedical Engineering Association