Ryan Bosley

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EDUCATION

Harrisburg University of Science and Technology, Harrisburg, PA   May 2025
Bachelor of Science in Advanced Manufacturing   GPA: 3.72

RESEARCH EXPERIENCE

NASA Lunabotics Competition   August 2023 – May 2024
- Engineering, 3D-printing, assembly, programming, and operation of lunar robot with a team of 6
- Autonomously collects and dumps Lunar soil into form of a berm

Natural Language Processing Robot (NLP)   August 2023 – Present
- Engineering, 3D-printing, assembly, programming and implementation of NLP robot
- Interacts with home and manufacturing environments through voice command inputs

VR-Rendered Harrisburg University   April 2022 – December 2022
- 360-degree scan Harrisburg University to put into Virtual Reality (VR) experience
- Lead team of 5 students

PROFESSIONAL EXPERIENCE

Army Research Laboratory Student Intern, U.S. Army, Edgewood, Maryland
June 2024 - Present
- Assist with additive manufacturing operations and processes for the U.S. Army and contractors
- Engineering and implementation of unmanned arial and ground vehicles

Expeditionary Manufacturing Student Intern, Harrisburg University, Harrisburg, Pennsylvania
December 2023 – May 2024
- Teacher assistant: Leads class during absences of primary teacher
- Leads development of Artificial Gravity Space Ring - Spins at high speeds to create artificial gravity

Lead Volunteer, Harrisburg University Extended Reality (XR) Task Force, Harrisburg, Pennsylvania
March 2022 - Present
- Active member/lead volunteer of XR Task Force - Contributes 3D modeling skills
- AR/VR operations and demonstrations for events

Lead Game Developer:, 3D Modeling, Texturing, Map Building, & User Interface
August 2021 - Present
- Owner of "Icelord Games LLC", leads game development on the platform ROBLOX
- Spearheaded marketing campaign to successfully popularize games

Exploration Outreach Assistant, Harrisburg University, Harrisburg, Pennsylvania   June - August 2022
- Teaching assistant for professors in leading STEM-themed VR summer camp
- Created 3D model of Artificial Gravity Space Ring

Commented [RH1]: When writing your bulleted statements for your research projects or experiences, think about:
- What skills did you use? What were your accomplishments? What were the outcomes related to your work? Are there any quantifiable details that could provide context, scope, or demonstrate impact?
- Where possible try to give context not just that you did XX, but that you did XX well or with YY results
- Incorporate quantifying detail to give scope & impact (i.e., Collaborated on team of 6, managed budget of $500…)
- Avoid verbs like 'worked with/helped with/assisted' and instead use strong, active verbs
- Be specific – instead of saying "strong leadership skills", provide an example of when you showed those leadership skills (i.e., "Spearheaded social media marketing campaign with 4 team members…")

Commented [RH2]: What is your intern title? Manufacturing Intern? Engineering Intern?

Commented [RH3]: What is your intern title? Manufacturing Intern? Engineering Intern?

Commented [RH4]: Is this a company name?

Front End Associate, Rite Aid, Harrisburg, Pennsylvania   October 2021 - April 2022
- Duties included cashiering, stocking, sale tags, guest services, and organizing shelves

Club SciKidz, Anne Arundel County, Maryland   June-August 2020 & 2021
- Full-time counselor and project teacher at STEM-based summer camp for children ages 4-15
- Video game design, 3D printing, drone piloting

Checkout Advocate, Target, Gambrills, Maryland   October 2019- June 2021
- Cashiering, managing self-checkout, cleaning, guest services, and handling drive-up orders

LEADERSHIP & COMMUNITY EXPERIENCE

Robotics Team Volunteer, Harrisburg University, Harrisburg, Pennsylvania   March 2024
- Presented 3D-printed and other mechanical components of NASA robot to high school students throughout Harrisburg metropolitan area

SKILLS

Technical: CAD software SolidWorks, Fusion 360, MasterCAM 3D printing operations – Cura Ultimaker, Simplify 3D Slicer, Stratasys & Virago printers, robotics design, assembly, programming & operation, CNC Operation and G-Code, blueprint reading/creation, Arduino & Raspberry Pi, Virtual Factories & Machines, AR/VR development & operations, Front End Development – HTML & CSS, 3D software - Blender & Adobe Substance Painter, Adobe InDesign, Illustrator, and Photoshop