

ISABELLA SCHRADER

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EDUCATION

BS, Biomedical Engineering Major – Marshall University, Huntington, WV May 2024

EXPERIENCE

Apprentice, Research Engineering Apprenticeship Program Summer 2018/2019/2020

- Army Educational Outreach Program
- Focus: DNA Origami, nanotechnology, microfluidics, and the COVID-19 pandemic

Author, *Augmented Reality in Computer Science Education* Nov. 2020

- Research paper presented at the 2020 IEEE Global Humanitarian Technology Conference

Smithsonian Summer Researcher, Natural History Research Experience Summer 2021

- National Science Foundation's Research Experience for Undergraduates program
- 10 Week Program focused on Machine Learning and Data Science

Entrepreneurship

- **1st Place**, Dare to Dream Tri-State Competition
- **2nd Place**, West Virginia Innovation and Business Model Competition

LEADERSHIP

Presidential Ambassador, Marshall University May 2021 - Present

Editor, GenZ Girls Organization Jan. 2021 - Present

Curator/Team Member, TEDx Marshall University Speakers Program Aug. 2020 - Present

Social Media Ambassador, Marshall University Aug. 2020 – Present

Student Advisor, Society of Yeager Scholars Diversity Committee Aug. 2020 – Present

Project Manager, Virtual Reality Team Dec. 2017 - May 2020

Captain, Quiz Bowl Team Oct. 2017 - May 2020

Sales Associate (Volunteer), Non-profit thrift shop Maxine's Closet Oct. 2017 - Dec. 2018

AWARDS AND HONORS

Scholar, Hispanic Scholarship Fund June 2020 - Present

Scholar, Yeager Scholarship Program March 2020 - Present

Scholar, Louis Stokes Alliance for Minority Participation August 2020 – Present

Semifinalist, The Gates Scholarship / Bill and Melinda Gates Foundation Jan. 2020

Finalist, National Merit Scholarship Program Oct. 2019

ACTIVITIES

National Youth Science Camp - Ohio Delegate, *National Youth Science Foundation* June 2020

Yale Young Global Scholars: Applied Science and Engineering, *Yale University* June 2019

SKILLS

Engineering Design, Proficient in Siemens NX and SolidWorks 3D computer design program

Bilingual, Spanish