

Hanna DeVillier

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Education

GPA: 3.16

Louisiana State University (LSU), Baton Rouge, LA

May 2026

Senior in Biological Engineering (BS)

Related Coursework:

Mechanical Design, Thermodynamics, Statics and Dynamics, Fluid Dynamics, Microbiology, and Organic Chemistry

Experience

Work – Undergraduate Research Assistant

February 2024 – Present

Bionano Therapeutics Lab, LSU – Baton Rouge, LA

- Collaborated on glioblastoma, laminin, and drug delivery research on various cell lines of the brain
- Performed basic lab responsibilities of replacing, cleaning the areas, and CO₂/aspirator maintenance
- Compiled a weekly report on the research done and duties performed throughout the week

Work – Resident Assistant

July 2023 – May 2024

Camellia Hall LSU - Baton Rouge, LA

- Oversaw a floor of 30-40 first-year residents
- Communicated effectively with all of them to prevent conflict and maintain a comfortable, academic environment
- Responded to emergency situations while working one 12-hour shift plus 4 hours at the front desk every week
- Organized fun, creative floor programs every quarter to engage residents in the community

Leadership – Badminton Club Secretary

May 2025 – Present

Louisiana State University – Baton Rouge, LA

- Maintained accurate records of club members and ensured proper compliance with club regulations
- Managed club documentation, such as attendance records, registration forms, and tournament applications
- Recorded and distributed detailed meeting minutes to summarize important topics discussed

Projects

SeaPerch

June – July 2025

- Underwater ROV (remotely operated vehicle)
- Assisted high school students in completing their projects by offering design advice and providing help with tools

Switch Adaptation

January – May 2024

- Assigned a children's toy to switch adapt for universal design to make it more accessible
- 3-D modeled a pedal to press with the hands for children with disabilities

Skills

- Capable in soldering and wet lab skills, proficiency in Microsoft Office, and experience in SolidWorks, Fusion 360, MATLAB, Autodesk Eagle, Tinker CAD, and JMP.

Activities

Clubs: E-Nable (makes prosthetics for clients), Biological Engineering Student Organization (BESO), Society of Women in Engineering (SWE), and Badminton club

Volunteer Work

- Volunteering in Public Schools (VIPS)
- CAA (Companion Animal Alliance)