

Willem Dukes

Herndon, VA

(251)-545-0629 | willemdukes@gmail.com | [Portfolio](#)

EDUCATION

James Madison University, Harrisonburg VA

Sophomore, ISAT Major (Integrated Science And Technology)

GPA: 3.0

August 2024 - Present

Expected Graduate - May 2028

Dean's list: Fall Semester 2025

SKILLS

- Certified and Proficient in Solid Edge and Autodesk Inventor
- Intermediate in Python, R, and HTML coding
- Certified and Proficient in Stella Architect
- Eagle Scout leadership experience through planning and executing a large-scale service project
- Certified Pool Operator (CPO) and Red Cross CPR Certified

EXPERIENCE

Lifeguard, Reston Association

Reston, VA

June 2020 - July 2025

- Created a safe and fun swimming environment for guests each day

- Tested chemical levels and performed cleaning to maintain standard protocol

- Monitored weather conditions and evacuated patrons according to conditions

- Maintained a clean pool and restroom environment

Eagle Scout, South Alabama Land Trust

Fairhope, AL

August 2022 - May 2023

- Led an Eagle Scout project with the South Alabama Land Trust to design and install a permanent educational trail signage system at Fish River Nature Preserve, using GIS mapping and volunteer coordination to improve visitor navigation and ecological awareness.

PROJECTS

Eagle Scout, South Alabama Land Trust

Fairhope, AL

August 2022 - May 2023

- Designed and implemented trail signage and educational materials to improve environmental awareness and visitor experience.

[View Project](#)

Stella Architect Infectious Disease Model

December 2025

- Built a system dynamics disease spread model using an extended SEIR framework, incorporating vaccination, social distancing, and quarantine interventions to evaluate health and economic impacts.
to explore feedback loops, behavior, and policy impacts.

[View Project](#)

CAMPUS INVOLVEMENT

Member, Epsilon Nu Tau

Harrisonburg, VA

August 2025 - Present

- Active member of a business fraternity, participating in professional development, networking opportunities, and philanthropy initiatives.

Member, Ski and Snowboard Team

Harrisonburg, VA

August 2024 - December 2024

- Participated in a university club sport team, attending practices and events while promoting teamwork and campus involvement.