**Nathaniel A. Muhs**

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**SKILLS**

* **Programming & Software**: Java, Python, VHDL, LTSpice, Microsoft Office 360
* **Engineering & Design:** SolidWorks 2025, 3D Printing & Prototyping
* **Technical Abilities**: Troubleshooting, Modeling & Simulation, Design Evaluation

**EDUCATION**

*West Virginia University* ***|*** *Morgantown, WV* Expected Graduation: May 2027

**Bachelor of Science in Electrical Engineering (ABET-accredited)**

GPA: 3.5

**EXPERIENCE**

*Artificial Intelligence Club WVU | Morgantown, WV* April 2024– Present

**Vice President**

* Expanded the club’s communication discord to over **350 members**. Becoming the second largest student communication group on campus
* **Lead** initiatives to educate students about AI, develop tangible projects, and connect members with industry professionals
* Assist the President in **planning and executing** biweekly club meetings

*WVU Wehrle Global Supply Chain Lab| Morgantown, WV* September 2024– Present

**3D Printing Technician**

* Maintained and troubleshooted **3D printers** to ensure top-quality and consistent prints
* Designing and iterating **CAD models** in **SolidWorks** for 3D-printed components
* Evaluated **3D printer performance** and adjusted designs for optimal output

**Projects**

**2024 - 2025 NASA Lunar Autonomy Challenge** - Present

* Worked with a team from AIWVU to code a virtually simulated **autonomous rover** that currently holds second place over top schools like MIT and Harvard
* Oversaw and implemented the rover’s **segmentation model** to accurately identify different-sized rocks and their location

**RELEVANT COURSES**

* Introduction to Computer Science (java) - Fall 2023
* Introduction to Data Structures (java) - Spring 2024
* Introduction to Electrical Engineering - Fall 2025
* Introduction to Computer Engineering - Fall 2025

**EXTRACURRICULAR INVOLVEMENT**

* Member of Institute of Electrical and Electronics Engineers, WVU chapter (IEEE)
* Member of WVU Cyber Security Club (CyberWVU)
* Member of WVU Amature Radio Club (ARC)