Addison Peed

Undergraduate student at Virginia Tech studyingMaterials Science and Engineering. Looking to gain some experience over the summer in the manufacturing industry.

2209 Loreines Landing Ct
Henrico, VA 23233
(804) 316-6807
addie.peed@gmail.com
www.arapsactivities.com

PROFESSIONAL EXPERIENCE & RESEARCH

Quantifying Isotopologue Reaction Networks

February 2025 - May 2025

Partnered with NASA researcher Dr. Gabriella Weiss to develop steps for implementing machine learning to better understand reaction pathways of organic molecules

Machine Learning in Mineralogy

January 2025 - Expected May 2025

Creating a classification and regression model in Python to predict the Carbon abundance in mars-analog environments

Data science and machine learning experience

Bat Guano Charcoal Research

February 2025 - Expected May 2025

Lab work analyzing the number of charcoal pieces in bat guano samples to predict Virginia's landscape 30,000 years ago

Extensive microscope and lab experience

EDUCATION

Virginia Tech, Blacksburg, VA — *Degree*

Fall 2024 - Expected Spring 2028

Pursuing Bachelors of Science in Materials Science and Engineering

GPA 3.75/4.00

Glen Allen High School, Glen Allen, VA — *Advanced Diploma*

Fall 2020 - Spring 2024

Graduated with Honors from the Specialty Center for Education and Human Development

GPA 3.90/4.00

SKILLS

Adobe Creative Suite

Blender

Basic Java & Python

CAD - Fusion

Clear Communication

Design Thinking

Detail-oriented

Public Speaking Experience

ACCOMPLISHMENTS

2025 Fralin Fellow

10-minute TEDtalk: spoke to my school about the effects of AI's rise and influence on democracy

2nd Place at Educators Rising State Competition: co-created an illustrated book for kids struggling after the pandemic

AP Scholar with Distinction Award 2023 & 2024

Top 10% of high school class

LANGUAGES

Basic Spanish