
Amelia Cole

Yorkville, IL 60560 | ameliacole.writing@gmail.com | 217-655-3632

Education

Illinois Math and Science Academy

Current GPA: 4.0 | SAT: 1310 Composite, 700 Reading, 610 Math

Aurora, IL

Expected Graduation: June 2028

Yorkville High School

GPA: 4.0

Yorkville, IL

August 2024-May 2025

Experience

The Sex Ed Initiative

Remote

Social Media Manager

August 2025-Present

- Designed and scheduled Instagram social media campaigns focused on accessibility and outreach
- Analyzed engagement metrics to iteratively refine content strategy and improve audience reach

Plainfield Park District

Plainfield, IL

Tennis Instructor

June 2025-August 2025

- Instructed over 90 youth athletes (ages 5–14) across three skill tiers, developing lesson plans to improve coordination, technique, and match strategy
- Provided individualized feedback to support skill progression and athlete confidence

Yorkville Public Library

Yorkville, IL

3D Printing Instructor & Library Support

July 2024-August 2024

- Taught children (ages 5–13) computer-aided design (CAD) using Tinkercad to create original 3D models
 - Instructed students on 3D printer operation, components, slicing, and print setup
 - Supported library operations through regular shelving and organizational assistance 1-2 times per week
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Leadership & Activities

IMSA First Robotics Competition Team #2022

Aurora, IL

Subteams: Design-Integration, Mechanical, & Outreach

October 2025-Present

- CAD-modeled mechanical components and subsystems for a 2026 FIRST Robotics competition robot

IMSA Society of Engineers

Aurora, IL

Event Planner and Project Member

September 2025-Present

- Designed and CAD-modeled a robotic dog leg incorporating a capstan-drive mechanism to explore torque transmission and compact actuation

IMSA Student Ambassador

Aurora, IL

Tour Guide, Event Lead, & Student Panelist

August 2025-Present

- Led campus tours and information sessions for prospective students and families, clearly explaining academic programs, student life, and research opportunities

IMSA Girls Tennis Team

Aurora, IL

Varsity #2 Doubles

August 2025-Present

- Progressed to Sectionals Semi-Finals

The Acronym

Aurora, IL

STEM & Business Staff Writer

September 2025-Present

- Researched, wrote, and edited articles explaining STEM and business topics for a student audience

Yorkville High School Math Team

Yorkville, IL

Algebra 1 Competitor

October 2024-March 2025

- Competed in regional and sectional mathematics competitions
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Additional Skills

Technical: Fusion 360 | Onshape | 3D printing

Language: German - A2 | English - Native