

Teja Akella

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Education:

New Albany High School • New Albany, OH

August 2019 - Expected: May 2023

Anticipated graduation date: May 27, 2023 - Weighted GPA: 4.356 - Unweighted GPA: 3.9404

- **Courses taken:** AP Computer Science A, Honors Programming 3, AP Calculus AB, AP Calculus BC, AP Statistics, AP Chemistry, Honors Chemistry AP Physics 2, AP Physics 1, AP Psychology, AP Language and Composition, AP Literature and Composition, AP US History, AP Microeconomics, AP Government, Honors Algebra 1 & 2, and Honors Geometry
- **Dual-Enrollment Classes:** Cybersecurity (Cisco Networking), Routing and Switching, Network Security, Cyber Security defense and reinforcement - **CompTIA Network+ and Security+ certifications**

Work Experiences/Internships:

Educational Service Center of Central Ohio (Child Care Assistant I/Junior Counselor)

August 2022 - Present

- Implement child development practices - communication, sharing, and discipline - to support the social and emotional growth of students (K - 5th graders)

Air Force Research Laboratory Research Scholar ([Final Presentation](#))

June 2022 - July 2022

- Created a mixed-reality multiplayer training simulation to help with Rocket Propelled Grenade(RPG) training, decreasing training costs by 85 percent. This was done through Unreal Engine 4, Raspberry Pi Sensor integration, and The Distributed Interactive Simulation (DIS) networking protocol (Air Force protocol)

Accenture Student Intern

January 2022 - May 2022

- Worked with engineers to create an internal application that was 40% faster using JavaScript, Jade, HTML, and CSS. Allowed for the management of surveys and data collection from clients.

Skills:

Engineering Skills/Tool Proficiency: 3D CAD and Modeling (Solidworks), Experience with motors, encoders, linear actuators, and pneumatics, experience with sensors, Basic Shop Tools, e.g., Drill Press, Table Saw, Compound Miter Saw, Angle Grinder, etc; 3D Printer, Laser Engraving, other hand tools, fabrication, and CNC

Computer Programming: Java and Object-Oriented Concepts, MATLAB, Python, WebDev, Git, Raspberry PI, Arduino

Cybersecurity: Network cabling, Cisco switch and router configuration, DNS Structure and Server Configuration, Troubleshooting tools, Networking Theory, Network Security methods, and Network Protocols

Game Design: Unity, Unreal Engine 4, and Distributed Interactive Simulation(DIS) Protocol (Air Force Networking Protocol).

Language Proficiency: Spanish - Intermediate, Telugu - Advanced High

Extra-Curricular and Volunteer Experiences:

FIRST Robotics(FIRST Robotics Participant for 8+ years)

August 2015 - Present

- FRC - Programmer and Mechanical subteam lead - received Freshman Award
 - Used Solidworks and VCarve to CNC the entire FRC Robot build
 - Created a very successful fundraiser - Haunted House - in order to raise money for competitions - \$40,000 in total revenue, resources, and to spread STEM throughout the community.
- FTC - 2016, 2017 Robot Driver, programming lead, and mechanical lead
- FLL - Team Captain - received Robot Design Award for best robot design at state competition
 - Worked with the Ohio Legislature regarding a solution for dissolving styrofoam, which is a non-biodegradable hazard. The team eventually filed a patent (patent pending)

SkillsUSA Technical Competition

May 2022

- Active member of SkillsUSA and placed 10th at the Ohio State Competition in Information Technology Services.

National Technical Honors Society

May 2022

- Conducted cybersecurity projects and practiced real-world desktop analyst scenarios.

National Honors Society/National Honors Society Tutoring Club

August 2021 - Present

- Led and participated in multiple community projects including park cleaning, fundraisers, buddy dances, and the Memorial Grove project. Member of the tutoring club and tutored students in Geometry, grades went from C to A.

Martial Arts (2nd-Degree black belt in Tang Soo Do, Hapkido, and Yong Soo Ji Do)

August 2013 - Present

- Student/instructor in Martial Arts for 9+ years

Center of Science and Industry (COSI) Floor Faculty Volunteer

June 2018 - 2020

- 50+ hours of volunteering service by leading demonstrations, guiding guests through activities, assisting with workshops, and performing live shows

Swimming/Water Polo

August 2014 - 2020

- Actively engaged in competitive Swim for 6+ years. Engaged in varsity Water Polo for 2 years. (4th at state competition)

AirCamp

July 2018

- Learned the physics behind flight while engaged in immersive learning modules at a variety of STEM locations
- learned how to fly a plane and received 1 official-hour flight