



KUNAL TIWARI

HIGH SCHOOL JUNIOR

An aspiring computer programmer

CONTACT



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ACHIEVEMENTS

**15TH AT THE TECHNOLOGY STUDENT
ASSOCIATION NATIONAL CONFERENCE FOR
CYBERSECURITY**

**REACHED STATE LEVEL IN BPA FOR
BROADCAST NEWS PRODUCTION EVENT
AND 4TH PLACE IN THE STATE FOR
NETWORK DESIGN TEAM EVENT**

AP SCHOLAR WITH HONOR

**CONGRESSIONAL APP CHALLENGE HONOREE
WHERE I BUILT AN APP USING OCR TO READ
MATH EQUATIONS TO HELP STUDENTS FIND
RESOURCES TO SOLVE MATH PROBLEMS**

SILVER IN USACO COMPETITION

1550 ON THE SAT

**NATIONAL ALTERNATE FOR DECA START-UP
BUSINESS PLAN EVENT**

REGIONAL WINS IN CX, LD, AND PF DEBATE

EXPERIENCES

MULTIMODAL INTERACTIONS LAB INTERN

June 2022 - Present

- Assisted in the development of an in-air keyboard using a leap motion device
- Created an interface to be able to interact with an ultrasound haptic board the lab is developing
- Helped in the testing and development of a device to simulate rainfall/snowfall using a haptic board and a cooling system

BPA STATE AND CLUB OFFICER

Aug, 2021 - Present

- Helped lead a club with over 200 members and grew the member count by 25%
- Elected as the 2022-2023 BPA State Parliamentarian and now lead over 8,000 members in Texas

COMPUTER SCIENCE CLUB PRESIDENT

Sept. 2021 - Present

- help interested students participate in computer science competitions and organized a local competition with over 40 students from 5 schools
- Assisted members in becoming better programmers to help them in competitions.

STEMPALS FOUNDER/PRESIDENT

Sept. 2021 - Present

- Founded a nonprofit focused on raising funds for underprivileged students
- Have taught over 100 children

PREMA SOFTWARE SOLUTIONS INTERNSHIP

June 2021 - July 2021

- Assisted in the development of the company's website re-design.
- Handled the front-end using HTML, CSS, and Javascript

MY SKILLS

- Computer Science (Java, Python, HTML, C#, C++)
- Knowledge in Algorithms & Data Structures (Binary Search Trees, Dynamic Programming, Hash Tables)
- Mathematics knowledge up to Calculus
- Problem Solving
- Graphic Design
- Software Development
- Machine Learning (TensorFlow, Neural Networks)
- Leadership
- Game Development (Unity, Unreal Engine)