

Ayon Saneel Das

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Plano, Texas 75025
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WORK

01/23 - Current

Texas Advanced Computing Center (TACC) (Vislab Research Assistant)

- Developing Interactive software for the Texas LASSO system
- Working with Unity to develop interactive VR experiences to aid in data and scientific visualization
- Providing interactive and engaging tours of the Vislab to present TACC and research as a whole to large audiences, especially younger students

10 hours / week
14 weeks

EDUCATION

University of Texas at Austin - Bachelor's of Science in Comp. Science (Turing Scholars - Sophomore)/ Economics Minor

Expected Graduation Date: 12/2025
Current GPA: 3.968

CS 314 - Data Structures	A	CS 311 - Discrete Math	A
CS 429 H - Honors Computer Architecture and Organization	A-	M 408M - Multivariable Calculus	A
BIO 321 G - Intro to Comp. Biology - Freshman Research Initiative (FRI)	A	M 362K - Probability 1	A
M 427 J - Differential Equations with Linear Algebra	A	M 340L - Matrices	A
CS 178H - Intro to CS Research Honors	A	CS 377P - Programming for Performance	A
CS 439 H - Honors Operating Systems	A	CS 354 R - Game Technology	A
CS 331 H - Honors Algorithms	A-	CS 356 - Networks	A
M 378K / SDS 378 - Introduction to Mathematical Statistics	A	ECO 304K - Intro to Microeconomics	A

Graduated 06/2022

Attended Plano West Senior High - GPA: 4.53, SAT: 1570 (790 M, 780 R)

RESEARCH

2023/05 - Current

NVIDIA AI Algorithm Team - LLM Data Science

- Working alongside senior members of the NVIDIA AI Algorithm Team to develop scripts and methods to generate testing data for a model to assist coders

2019/08 - 2020/03

Detecting Trace Substances

- Completed independently using **machine learning and statistics (MATLAB)** alongside colorimetry to determine the presence of trace substances (melamine in milk)

Supplemental testing with Dr. Jose Calderon at UNT

2018/09 - 2019/04

Defeating Multidrug Resistance

- Involved the use of **computational methods (Python)** as well as bacterial genome work.

Completed with help of SDSU Rohwer and Wegley-Kelly Lab.

ACTIVITIES

2020/10 - 2022/05

Plano West Wolfpack Computer Club (August 2020 - May 2022) (Co-President)

- Led meeting organization and directed school club's activities at competitions
- Assisted in organizing Plano West's Programming Competition, held February 19, 2022

2017/01 - 2021/05

FIRST Tech Challenge Team 11629: The Todoians

- *Build Lead* and *Programming Sub-Director* at different points in time
- Provided FLL and FTC mentorship to district teams and virtually to regional teams

HONORS & AWARDS

2020/05 - 2021/03

HP CodeWars High Achiever - 1st Place in State and Country 2021, 3rd in State 2020

2022/03

National Merit Scholar Finalist

2022/01 - 2022/05

UIL Achiever (March - May 2022)

- Computer Science UIL Top Performer (2022)
- Best of Texas Computer Science Top Performer (2022)

2020/12

USACO Silver Level

- Competed in USACO Bronze in December 2020, perfect score and moved to Silver Level

2021/04

Lockheed Martin CodeQuest High Achiever - 1st Place in State 2021

2018/02 - 2022/02

AIME Qualifier (2018-2022) Scores: 5, 9, 6, 6, 7. AMC 10 DHR in 2020 with 136.5

2021/05 - 2022/05

American Computer Science League Finalist (2021 and 2022)

2019/05 - 2022/05

AP Scholar with Distinction - 11 5's, 2 4's

2018/06

AMRL Junior Varsity Top Performing Team

2018/11 - 2021/02

Harvard MIT Math Tournament Top 20 Teams (2018 and 2021)

2022/07

Texas Interscholastic League Foundation Scholar

2020/11 - 2021/11

RHS Frozen Eagles Contest Achiever - Top Team in Division 2021 and Top Team in State 2022

SKILLS & TALENTS

2014/06 - Present

Java / JavaScript Computer Language

2015/06 - Present

Python Computer Language

2022/11 - Present

C / C++ / C# Computer Language

2023/03 - Present

Verilog Hardware Description Language