Teerth Patel

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Objective

STEM magnet graduate that maintained a 4.0 GPA, and is now majoring in computer science. Reached USACO Gold Division within 1 year of learning programming. Collaborated with a group of 3 people to create various projects.

Education

Paul Laurence Dunbar High School *Math Science and Technology Center (selective)*
August 2018 - May 2022, Lexington, KY
Capstone Research Project under the mentorship of Dr. Christopher Crawford:

- Conducted at University of Kentucky Department of Physics
- Researched the Design of High Voltage Amplifier for Measurement of nEDM
- Wrote an unpublished research paper.

GPA: 4.00 (Unweighted)

BS in Computer Science at University of Texas at Dallas *Hobson Wildenthal Honors College*
August 2022 - May 2026, Richardson, TX
Enrolled, but not yet attending classes

Awards

2022	1st Place in Physics and Astronomy	Central Kentucky Regional Science Fair
2022	MSTC Multivariable Calc/ Diff Eq Student Recognition	Paul Laurence Dunbar High School
2021	Governor's Cup State Mathematics 3rd Place	Kentucky Association for Academic Competition
2020	AP Scholar with Distinction	College Board
2019	Promoted to USACO Gold Division	United States of America Computing Olympiad
2019	Governor's Cup State Science 9th Place	Kentucky Association for Academic Competition
2019	MSTC Most Outstanding Freshman	Paul Laurence Dunbar High School
2019	MSTC Pre-Calculus Student Recognition	Paul Laurence Dunbar High School
2019	MSTC AP Computer Science Student Recognition	Paul Laurence Dunbar High School

Projects

Competitive Maze Solving Game in Java	*Built in Team*
Python desktop app to play Conquid, a novel grid-based land-conquering game	*Individual*
Python Discord bot to play Conquid	*Built in Team*
Chess Game in Java, with castling, en passant, and pawn promotion	*School Project*
Snake emulator in Java with saving of stats	*School Project*

Activities

Academic Team
Fall 2018 - Spring 2022, 30 weeks per year, 7 hrs per week
Competed in various quiz bowl tournaments, primarily NAQT tournaments, and participated in NAQT Nationals in 2019, 2021, and 2022.
Competitive Computer Science Club
Fall 2018 - Spring 2022, 30 weeks per year, 2 hrs per week
Served as President during 2021-2022, and Vice President during 2020-2021.
Aided members in preparing for competitive coding contests, specifically USACO (C++ Used).
Math Club
Fall 2018 - Spring 2022, 30 weeks per year, 1 hr per week
Competed in various mathematics contests, including the AMC and selective AIME.

Skills

Strong Analytical Skills
Detail Oriented
Quick Learner
Communication of Technical Concepts
Programming

- Proficiency in C/C++, C#, Java, and Python
- Foundation in algorithms and data structures
- Knowledge of HTML, CSS, and JS

Collaboration with a small team(2-3 people)
Microsoft Office

- Proficient in Word, Excel, Powerpoint, and Publisher