Teerth Patel

Email : trp210003@utdallas.edu
Mobile : +1-859-421-1771

LinkedIn: https://www.linkedin.com/in/teerth-patel-bab835251/
Github: https://github.com/TortCode

EDUCATION

- **University of Texas at Dallas** — Richardson, TX
  Collegium V Scholar; Bachelors in Computer Science; GPA: Not known yet — *Aug 2022 - May 2026*
  Applicable Courses:
  Discrete Math, Linear Algebra, Probability and Statistics, Data Structures and Algorithms, Computer Architecture, Systems Programming in UNIX

- **Paul Laurence Dunbar High School** — Lexington, KY
  Math Science and Technology Center; GPA: 4.0 — *Aug 2018 - May 2022*

SKILLS SUMMARY

- **Languages**: Java, C, C++, C, Python, Matlab, SQL, HTML, CSS, JavaScript
- **Tools**: Git, MS SQL Server, Unity, Arduino

PROJECTS

- **Competitive Maze Solve**: Collaborated with a team of 3 people to make a competitive maze solving game where players start at opposite sides of the board and must make their way to the other end.
  Utilized multithreading and the Java Swing toolkit,

- **Conquid.py**: Created an automated version of a novel grid-based game known as Conquid, where players must "build a bridge" from one base to another by either placing cells, "conquering" enemy cells, or "vanquishing" a block to clear a path.
  Utilized tkinter and various graph algorithms such as Dijkstra's shortest path and breadth-first search.

- **Disquid**: Collaborated with a team of 3 people to construct a Discord bot for users to play Conquid, building off the model established in Conquid.py. Included ranking system and video generation of matches.
  Utilized Discord.py wrapper for Discord API, Cairo graphics, and PIL.

- **Chess**: Has possible move highlight and implementation of castling, en passant, and pawn promotion.

- **Snake emulator**: Has 4 modes of difficulty and a score-ranking system.

HONORS AND AWARDS

- Attained USACO Gold at USACO Open 2019

- Qualified for February 2022 AIME math examination

- 1st Place in Physics and Astronomy at 2022 Central Kentucky Regional Science Fair

- 3rd Place in Mathematics at 2021 State Governor's Cup (Kentucky academic competition)