**NAIMUR RAHMAN**
naimurrahmansm@gmail.com | linkedin.com/in/naimurrah | github.com/naimurrah

## Education

08/2020 – Present **B.S. Computer Science**, Texas A&M University – College Station, TX
**Cumulative GPA:** 4.0/4.0
08/2016 – 05/2020 Frisco Lebanon Trail High School – Frisco, TX

## Coursework

Data Structures and Algorithms, Programming Languages, Computer Organization, Foundations of Software Engineering, Discrete Structures In Computing, Linear Algebra, Calculus III

## Experience

08/2021 – Present **Peer Teacher**, Engineering Lab, Texas A&M University – College Station, TX
- Tutored students learning Python by providing in-depth, individualized education sessions.
- Lead Python lab sessions to aid 90+ students following weekly lectures.
- Evaluated student assignments by providing quantitative and qualitative review of work, providing necessary feedback.

06/2021 – 08/2021 **Texas Youth Ambassador**, No Kid Hungry and CitySquare Food – Dallas, TX
- Conducted outreach through physical and technological means to garner turnout among 50+ mobile sites for the Child Summer Meals Program.
- Delegated and accounted goods from the North Texas Food Bank on a weekly basis for each meal site.
- Operated organization's social media to grow notoriety and awareness.

## Technical Skills

**Languages:** C++, Python, Java, HTML, CSS, Javascript (Novice), Scheme (Novice), Hack Assembly (Novice)
**Concepts:** Object Oriented Programming, File I/O, Git
**Libraries:** Matplotlib, NumPy, SymPy, Selenium

## Projects

**Interactive Dijkstra's Algorithm,** C++ (2022)
- An interactive program from the command line that utilizes both Dijkstra's Algorithm and Prim's Algorithm on an adjacency matrix to find shortest path from one node to another.
- Outputs path of nodes and total distance between them.

**Perfect Hashing,** Java (2022)
- Program that reads a .txt/.ser file filled with a list of thousands of cities and their coordinates and puts them into a Hash Table using the Perfect Hashing Algorithm.
- Creates an efficient Hash Table that aims to save more time compared to other forms of hashing.

**Binary Tree Creator,** C++ (2022)
- Takes user input to create and output a visual Binary Search or AVL Tree using recursion.

**Hack ASM Assembler/Disassembler**, Python (2022)
- Assembles Hack Assembly file into binary code through File I/O and string parsing.
- Disassembles binary files into Hack Assembly code.

## Activities

**Texas A&M SLOPE (Sophomores Leading On Promoting Equality) - Counselor**
- Organization centered on spreading diversity, equality, and inclusion on campus

**TAMUhack 2022 Hackathon**
- Worked with team of peers to create a project within 24 hours catering towards social good
- Acquired new Web Development skills and experience in a fast paced setting

**Independent Study and Mentorship – Software Engineering**
- Interviewed and networked with numerous developers in the software and video games sector
- Created a real-world applicable product (User Interface for Xbox) through mentor guidance combined with knowledge acquired in the program