# Ayaz Ur Rehman

Results-oriented Software Engineer comfortable switching between architecture, design and implementation. Comfortable working in teams or in self-directed environment.

## Education

**2017- 2021**    **Bachelors in Computer Science**

*Lahore University of management sciences - Lahore*

**2015 - 2017**    **A Levels**

*Lahore Grammar School - Lahore*

## Work History

**2020-01 - 2020-05**    **Teacher Assistant**

*Lahore University Of Management Sciences, Lahore*
- Help design the course, construct tests, prepare materials, grade assignments, maybe teach a class session or two.
- Work with students one-on-one; learn about problems they are having with the course material.

**2019-09 - 2019-12**    **Teacher Assistant**

*Lahore University of Management Sciences, Lahore*
Assisted teacher in monitoring students' progress using different methods and by reviewing test scores and lab work.

## Relevant Works

- Self Colliding Cloth Simulation using Verlet Integration
  and Spatial Hashing
- Ray Tracing Implementation Using the Phong Illumination Model
- Mesh Refinement using Loop Subdivision Scheme
- Connect 4 using Vue.js and Javascript

## Contact

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## Skills

C++

C

Haskell

Matlab

Python

Assembly Language: x86

Javascript

Golang

React

Node Js

- Online Multiplayer Snake Game using Python
- Implementation of a Chord Distributed Hash Table in Python
- Web application for online food order.
- Web application for connecting corona patients and plasma donors.

## Relevant Courses

- Network-Centric Computing
- Network Security
- Computer Graphics
- Artificial Intelligence
- Deep learning
- Data Structures
- Algorithms
- Advance Programming
- Fundamental of computer systems
- Discrete Mathematics
- Machine learning from Coursera (Andrew Ng)
- Theory of Automata
- Software Engineering
- Data Science from Coursera

## Accomplishments

- Won FIRST LEGO LEAGUE finals on national Level
- Merit Scholarship at LGS JT for A-levels
- Was consecutively selected for two years as Event head for robotics event for LUMS science society SPADES's signature event "PSIFI"