Hashir Shah

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EDUCATION

Illinois Institute of Technology   Chicago, Illinois, US
Bachelor of Science in Computer Science   Expected Graduation: May 2025

GPA: **3.2**

Courses: Accelerated Intro to OOP**, Data Structures and Algorithms,** Calculus (1 - 3)**, Computer Organization & Assembly Programming, Programming Languages and Translators**

TECHNICAL SKILLS

• Python	• Java	• HTML	• C#	• Haskell
• C++	• OpenGL	• CSS	• Unity	• OCaml

PROJECT EXPERIENCE

Personal Project   N/A
MisterMat, Material Engine ([Repo](#))   May 2023 to Present

- Lightweight desktop application to test 3D object materials
- Built with **C++** and **OpenGL**
- Features to-come:
    - Material and shader editor
    - Supported file formats: FBX, GLTF, blender
    - Overlay modes: Wireframe, PBR, Matcaps

Personal Project   Chicago, Illinois, US
Portfolio Website ([Website](#))   May 2023

- Built and deployed personal portfolio website to showcase skills and projects
- Programmed with **HTML**, **CSS** and **JavaScript**
- Deployed on GitHub Pages

Personal Project   Chicago, Illinois, US
Subway Routing System ([Repo](#))   Jan 2022 to Feb 2022

- Language: **Java**
- Used a **HashMap** to **store station details** and **ArrayLists** to model **station layout**
- Implemented using **clean architecture principles** to **separate high-level and low-level policy and details**
- **Unit testing** done using **JUnit**

LEADERSHIP EXPERIENCE

Highschool Debating Competition   Islamabad, Pakistan
Media and IT Director   Oct 2019 to Nov 2019

- Supervised team of 15 creative individuals
- Directed promotional videos for social media (Instagram, Facebook) with help of my team
- Managed photography for event, both before and during

TEACHING EXPERIENCE

College Job   Chicago, Illinois, US
Teaching Assistant (TA) for Computer Science   Feb 2022 to Present

- Educated students on lecture material and concepts covered in class
- Advised students on how to tackle homework assignments methodically and logically
- Monitored all lab sessions
- Ensured students were well-prepared for tests, exams, and future courses

Awards

Edexcel IGCSE Outstanding Learner Award in Computer Science (June 2019)   Islamabad, Pakistan

- Earned highest exam mark in the entire province