

Hashir Shah

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EDUCATION

Illinois Institute of Technology

Bachelor of Science in Computer Science

Chicago, Illinois, US

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

Chicago, Illinois, US

Portfolio 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 (<https://github.com/HashMaster02/Chicago-L-Clone>)

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**

Personal Project

Chicago, Illinois, US

Orion, 3D Model Visualizer (<https://github.com/HashMaster02/Orion>)

Sep 2022 to Present

- Lightweight desktop application to view 3D models
- Built with **C++** and **OpenGL** using OOP
- Features to-come:
 - Supported file formats: FBX, GLTF, blender
 - Overlay modes: Wireframe, PBR, Matcaps
 - Camera views: Perspective, Orthographic, First-Person

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