

HASSAN MOHARREM

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SUMMARY

Computer Science student and aspiring game/software developer with hands-on experience building an Unreal Engine project, a desktop simulation application, and Python automation tools. Strong problem-solving, debugging, communication, and decision-making skills developed through technical projects, soccer operations, and officiating.

EDUCATION

Metropolitan State University of Denver - Bachelor of Science in Computer Science
Denver, CO

Expected May 2028

TECHNICAL SKILLS

Programming: C++, Python, Java, TypeScript, HTML, CSS, GML

Game Development: Unreal Engine 5, Blueprint Visual Scripting, GameMaker Studio 2

Web / Application: React, Django, Vite, Tauri, MapLibre GL

Tools: Git, GitHub, Visual Studio Code, Visual Studio, PMTiles, ComfyUI

PROJECTS

Thunder of Owari | Unreal Engine 5, Blueprints

2026 - Present

- Developing an original third-person game in Unreal Engine 5 using Blueprint visual scripting.
- Implemented sprint and stamina systems, exhaustion behavior, crouching, directional dodging, and camera-relative movement.
- Integrated and debugged character animation systems, movement-state logic, retargeting, transitions, and root-motion behavior.

ImpactSim | React, TypeScript, MapLibre GL, PMTiles, Tauri

2026 - Present

- Built a desktop simulator for nuclear/extreme-energy events, meteor impacts, and earthquakes with configurable inputs.
- Implemented Infinite City, 2D Earth, and 3D globe visualization modes with local map data, terrain, satellite imagery, and geographic event placement.
- Added multiple simultaneous events, animated effect regions, historical/theoretical presets, and desktop display settings.

Recipe Graphics Automation | Python, ComfyUI

2026 - Present

- Developing a local automation tool for producing 1080 x 1350 recipe graphics from reusable templates and recipe image folders.
- Built recipe selection, search, previews, image mapping, OCR-assisted layout experiments, and automated export workflows.

EXPERIENCE

Site Coordinator | Colorado Soccer Association

2026 - Present

- Coordinate with coaches, referees, and scorekeepers to help matches begin and end on schedule.
- Manage sideline behavior, address immediate sportsmanship issues, and document referee misconduct or abuse through official reporting channels.

Soccer Referee | Colorado Soccer Association

2016 - 2020; 2025 - Present

- Make rapid and impartial decisions in competitive matches while communicating clearly with players, coaches, and other officials.
- Manage disagreements under pressure and collaborate with referee crews to maintain consistent rule enforcement and match control.

PAX West Event Support | Euphoric Brothers - Human Apocalypse

2021

- Assisted with booth setup and supported the team's presence at PAX West.
- Engaged convention attendees and helped direct interested visitors toward the booth to increase attention and playtesting traffic.

LANGUAGES

English: Fluent | Arabic: Fluent