

AHMED HANI YOUSEF

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EDUCATION

Lake Forest College | Lake Forest

January 2022 - Dec 2025

Bachelor of Arts in Computer Science

GPA: 3.95

CS Courses: AI, Data Structures & Algorithms, Database Systems, Operating Systems, Software Engineering, Cryptography

SKILLS

Programming Languages: Python, Java, C++

Machine Learning/AI: Behavior Trees, Pathfinding, TensorFlow

Web Development: React, Node.js, JavaScript

Tools & Technologies: Azure, Redis, SQL, Sockets, Linux,

RELEVANT INTERNSHIP EXPERIENCE

Programming Intern | Lake Forest College

May 2025 - August 2025

- Improved WCAG compliance workflows by creating scripts that flagged violations with 95% accuracy.
- Developed internal automation tools in Python that reduced manual data-processing time by 40%.

CyberSecurity Intern | Lake Forest College

January 2025 - December 2025

- Conducted threat analysis and security monitoring using Microsoft 365 and Azure across **2000+** college accounts.
- Improved vulnerability detection by automating Nessus and Defender reporting, decreasing review time by **25%**.

Cloud Networking Specialist | Habitat For Humanity

August 2023 - December 2023

- Streamlined workflows across volunteer teams, increasing operational efficiency by **15%**.

EMPLOYMENT EXPERIENCE

Website Developer | Haitian American Museum of Chicago

January 2023 - May 2023

- Rebuilt key site components, improving load times by 35% and increasing visitor engagement by **25%**.

IT System Administrator | Scissor Films Studio

June 2020 - December 2021

- Managed all technical operations for a remote studio, improving system uptime to **99%**.
- Set up new hardware/software environments that supported **30%** more concurrent workloads

INDEPENDENT PROJECTS

Game AI: Advanced Decision-Making and Navigation Systems

July 2023 - August 2024

- Developed Python/C++ behavior-tree AI achieving **<0.01s** reaction times, outperforming human navigation by **85%**.
- Optimized A* pathfinding, reducing computation overhead by **80%** on large maps.

Boomer - Live Campus Platform

Nov 2025 - Ongoing

- Led development, production, and deployment of a fully functional site used by 30% of students on campus

Campus Leadership & Awards

- 1st Place**, Entrepreneurship Venture Design Challenge - 2024
 - Led a team to design a tech-driven community platform for student coders
- 3rd Place**, Planet Forest Hackathon - 2025
 - Led a team to design, develop and present a Live AI-Driven Website prototype, ForesterSwap
- 1st Place**, Public Policy Challenge - 2023
 - Led a team to design a public policy addressing Children's Privacy Online
- President**, Arab Student Association - 2024/2025
 - Led the restructuring of the association, and fostered a 50+ growing community