

AHMED HANI YOUSEF

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EDUCATION

Lake Forest College Lake Forest	January 2022 - Dec 2025
<i>Bachelor of Arts in Computer Science</i>	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 <i>Lake Forest College</i>	May 2025 - August 2025
<ul style="list-style-type: none">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 <i>Lake Forest College</i>	January 2025 - December 2025
<ul style="list-style-type: none">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 <i>Habitat For Humanity</i>	August 2023 - December 2023
<ul style="list-style-type: none">Streamlined workflows across volunteer teams, increasing operational efficiency by 15%.	

EMPLOYMENT EXPERIENCE

Website Developer <i>Haitian American Museum of Chicago</i>	January 2023 - May 2023
<ul style="list-style-type: none">Rebuilt key site components, improving load times by 35% and increasing visitor engagement by 25%.	
IT System Administrator <i>Scissor Films Studio</i>	June 2020 - December 2021
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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