Nima Aref

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EDUCATION

Franklin High School   Franklin, TN
Outstanding student award in Cybersecurity — GPA: 4.31   *Aug. 2018 – May 2022*

The University of Tennessee, Knoxville   Knoxville, TN
Computer science with a minor in Cybersecurity and Artificial Intelligence   *Expected May 2026*

EXPERIENCE

CyberSecurity Intern   March 2024 – Aug. 2024
Precise Cyber solutions

- Assisted in monitoring and analyzing network traffic to identify potential threats and vulnerabilities
- Contributed as part of a team to develop software designed to teach K-12 students about cybersecurity, focusing on interactive learning and safety best practices.

Camp Supervisor   Jan 2020 – Jan. 2024
CodeNinjas

- Developed a comprehensive coding curriculum focused on teaching various coding concepts through video games, ensuring engaging and effective learning experiences for camp attendees
- Oversaw camp staff, ensuring they were adequately trained, supported, and aligned with the company's educational goals and standards
- Efficiently ran the center during camps, coordinating logistics, managing resources, and ensuring the facility supported a safe and conducive learning environment for all camp activities

CyberSecurity Instructor   Aug 2022 – Present
Independent

- Founded a cybersecurity lab with five students, crafting and teaching an advanced curriculum on combating cyber threats, equipping students with practical defense skills
- Led and mentored a student team in cybersecurity practices with a focus on network security, system administration, and ethical hacking
- Achieved 4th place among 1100 teams in the CyberPatriot competition, a national youth cyber defense competition created by the Air & Space Forces Association

PROJECTS

Autonomous Vehicles

- Developed a ROS-based autonomous go-kart capable of navigating around school premises and deploying electrolyzed water for efficient sanitization purposes

FaceX

- Created an iPhone app leveraging the TrueDepth camera to scan faces and generate 3D models, enabling the production of custom-fit masks and personalized action figures

CardStock

- Collaborated with a business to develop an app designed to scan sports cards and instantly provide users with the card's current market value

Boston Dynamics' Spot

- Developed and coded dance routines for the Boston Dynamics robot dog, Spot, to perform at a basketball game, and implemented autonomous navigation algorithms for mail and package delivery to various classrooms.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, Swift
Developer Tools: Git, Docker, Firebase, Google Cloud Platform, React, Node.js, WordPress, PyCharm, IntelliJ, Eclipse
Libraries: Pandas, NumPy, Matplotlib, TensorFlow