

KYLE ARQUILLA

STUDENT - UNDERGRADUATE RESEARCHER

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TECHNICAL SKILLS

Languages:

C++, Python, JavaScript

Frameworks:

React, Next.js

Tools & Platforms:

Git/GitHub, Linux Command Line

PROFESSIONAL EXPERIENCE

Redshift Technology LLC, Low Voltage Technician 2019 - 2022

- Installed and configured electronic security systems, fire alarm systems, CCTV systems, and access control systems for commercial and industrial clients.
- Collaborated with teams to implement hardware solutions, integrating low-voltage systems with software-based access control tools.
- Troubleshoot and maintained networked security hardware.

LEADERSHIP AND RESEARCH

Published Research: Explainable AI (XAI) - IEEE

- Contributed to research exploring transparency in artificial intelligence (XAI).
- Collaborated on projects involving industrial IoT (IIoT) and machine learning applications.

Computer Club President - Kent State University Stark (2022 - Present)

- Led a technical community, organizing workshops and coding challenges.
- Facilitated student collaboration on programming projects and research.
- Expanded membership and engagement through outreach and networking initiatives.

EDUCATION

BBA Business Management

Kent State University

Completed 2019

BS Computer Science

Kent State University

Expected 2025

- Relevant Coursework: Software Engineering, CS1-3, Machine Learning, Deep Learning

ADDITIONAL INFORMATION

Certifications & Achievements:

- IEEE Published Researcher - IIoT & XAI
- Choose Ohio First Scholarship Recipient
- Computer Club President (2 Years)
- 2023-24 Kent State University - Stark Departmental Award Recipient

Projects:

- Game Development:** Built an interactive game using JavaScript and p5play.
- Portfolio Website:** Designed and developed a personal portfolio showcasing projects and research.
- GitHub:** Karquilla - <https://github.com/Karquilla>
- Research:** <https://ieeexplore.ieee.org/document/10579007>