Peyton Nagher

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Computer engineering graduate offering analytical, technical, and team- centered skills. Seeking employment at organizations in hardware/software engineering, systems administration, or IT.

EDUCATION

Michigan State University – East Lansing, MI
Bachelor of Science, Computer Engineering   *Aug 2020 – May 2024*

EXPERIENCE

MSU College of Education Operations and Finance – East Lansing, MI
Lead Information Technology Assistant   *Aug 2022 – July 2024*

- Led a team of 5-7 IT assistants and facilitated clear communication channels to ensure seamless collaboration in IT operations through in-person and remote support, resulting in increased efficiency and customer satisfaction.
- Configured and deployed hardware/software in a Microsoft Active Directory domain.
- Contributed in helping the college save ~$25,000 in purchasing computers for faculty and staff annually.

Software Lead, MSU Solar Racing Team – East Lansing, MI
Capstone Design Project, MSU College of Engineering   *Jan 2024 – April 2024*

- Built a low power, variable frequency serial communication system using the FDCAN protocol with STM32H5 microcontrollers.
- Designed the system for rapid communication between the DCS and steering systems, ensuring ease of implementation into the car.
- Wrote portable software in Embedded C, enabling the team to transition from an Arduino based microcontroller family to various STM32 models seamlessly.
- Ensured project milestones were met and delivered final software on time.

Colleen Farrell Design – Rochester, MI
IT & Web Developer   *Nov 2016 – July 2024*

- Integrated company website with Office 365 domain services, ensuring seamless access and functionality for employees and clients.
- Supervised network management and conducted routine maintenance for the overall upkeep of company systems, applying best practices and troubleshooting skills.
- Created web content for desktop and mobile browsers, ensuring a user-friendly experience.

LEADERSHIP & VOLUNTEER ACTIVITY

- Social Chair & Event Planner, Triangle Fraternity - MSU Chapter   *Nov 2022 – Dec 2023*

SKILLS

Programming Languages & Analytical Tools: C/C++, wxWidgets, CMake, MATLAB, Python, NumPy, Microsoft Z3, Scikit, Wireshark, Swift, Xcode, HTML & CSS, JavaScript, MySQL, Docker, Google Cloud, ARM Assembly, Verilog, Xilinx Vivado, Keil µVision, STM32 IDE, Git, Unix, Azure AD, JAMF Pro

CAD & EDA Software: AutoCAD, Fusion 360, LTSpice, PSpice, Cadence Virtuoso

Productivity Software: Microsoft Office Suite, Google Suite, Trello, Slack

Additional: Learning Centered, Collaboration, Leadership, Technical Writing, Presentation Skills, Adaptable