Kooper Propp

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Experience

Milton High School – Milton, WI.   Mar 2024 – Sep 2024
IT Office Volunteer

- Developed Skymaker to connect the **Skyward API** with Milton High School's onsite **FileMaker** database, streamlining student data management.
- Implemented features to detect student name changes and invalid email addresses, ensuring the database remains up-to-date and accurate.

Education

Bachelor of Science, Computer Science. GPA: 4.00   **Expected Graduation: June 2025**
Southern New Hampshire University – Manchester, NH.
Courses: Programming Languages, Java OOP, C++ Program Design, Python, Web Development.

Projects

Lakeview Campground & Bar – Website   Aug 2024

- Developed the website using **Next.js** for the front end and a headless **WordPress CMS** to manage content dynamically.
- Utilized the WordPress REST API to fetch content, such as campground details, menu items, and promotions, ensuring real-time updates.
- Optimized to handle over **30,000** monthly visitors.

Nexa Database – Website   July 2024

- Placed **fourth in the nation** out of 80 teams at the FBLA Website Coding & Development competition.
- Built using **Next.js** for the front end and **Tailwind CSS** for a modern, responsive design, ensuring fast load times and a sleek user interface.
- Implemented a fully dynamic careers page where job listings and details can be easily updated through an **admin panel**.

MHS Laude – Website   Mar 2024

- Created MHS Laude using **Next.js** for the front end and a **Python** backend for data processing and report generation.
- The backend processes the transcript, extracting relevant data, and calculating the student's laude points based on specific criteria.
- Automatically generates a detailed **PDF report** that outlines the student's laude points and overall academic performance.
- Streamlined the laude point calculation process, reducing the likelihood of manual errors and providing students with instant feedback.

Hamster Tracker – Website   Dec 2023

- Tracks real-time data of my hamster, Bear, using a hall switch monitor to record wheel rotations stored in **MongoDB**.
- Built the website using **Next.js** for fast performance and a responsive design.

Milton Relay – GitHub   July 2023

- Placed **first in Wisconsin** and **fourth at nationals** for the FBLA competition.
- Created for the FBLA Mobile App Development competition, featuring school-centric functionality to improve communication and engagement.
- Utilized the **Flutter** framework to compile code across multiple operating systems from a single codebase.

Programming Skills: Java, JavaScript/TypeScript, Python, C++.

Technologies: Git, ReactJS, NextJS, Tailwind, Flutter, HTML, CSS/Bootstrap, ChakraUI, Firebase, MongoDB.

Interests: Making fact-related TikToks, hamster care, and videography