Kooper Propp

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Summary

Computer Science student skilled in web and app development, API integration, and database management, with hands-on experience in Next.js, Python, and RESTful services. Seeking a Software Engineer intern position to apply innovative problem-solving and coding expertise to impactful, user-centered projects.

Experience

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

- Collaborated with the IT team to develop Skymaker, integrating the Skyward API with the school's FileMaker database, streamlining student data management.
- Worked closely with mentors to implement features that detect student name changes and invalid emails, ensuring data accuracy and maintaining high standards.
- Embraced constructive feedback and adapted quickly to meet evolving project requirements.

Education

Bachelor of Science, Computer Science. GPA: 4.00   Expected Graduation: June 2025
Southern New Hampshire University – Manchester, NH.

Relevant Coursework: Programming Languages, Java OOP, C++ Program Design, Python, Web Development, Operating Systems

Projects

Lakeview Campground & Bar – Website   Aug 2024

- Built a dynamic website using Next.js and a headless WordPress CMS, integrating WordPress REST API to facilitate real-time updates for campground details and promotions.
- Enhanced site performance to handle 30,000+ monthly visitors by optimizing load times and user accessibility.

Nexa Database – Website   July 2024

- Achieved 4th place nationally out of 80 teams in the FBLA Website Coding & Development competition.
- Collaborated to build a responsive site using Next.js and Tailwind CSS, implementing design feedback to ensure fast load times and an intuitive user experience, meeting accessibility standards.

MHS Laude – Website   Mar 2024

- Developed a web tool that automates the process of calculating laude distinctions (academic honors) for high school transcripts.
- Previously, staff manually calculated honors, taking 10–15 minutes per student. With this tool, users can upload a student's transcript, and the system instantly processes it, generating a PDF summary with laude distinctions.
- This automation improves accuracy, saves time, and provides students and staff with instant, reliable academic reports.

Hamster Tracker – Website   Dec 2023

- Developed a personal project using Next.js to track my hamster, Bear's, activity, integrating data feedback loops to improve performance and user experience.

Milton Relay – GitHub   July 2023

- Awarded 1st in Wisconsin and 4th nationally at the FBLA Mobile App Development competition.
- Leveraged the Flutter framework to create a cross-platform app, continuously refining it based on team feedback to enhance school communication and engagement.

Programming Skills: Java, JavaScript/TypeScript, Python, C++, HTML5, CSS

Technologies: Git, React, Next.js, Tailwind CSS, Flutter, Bootstrap, Chakra UI, Firebase, MongoDB

Interests: Making educational TikToks, hamster care, and videography