

John J. Samels

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EDUCATION

Indiana University, Luddy School of Informatics, Computing, and Engineering Bloomington, IN

Bachelor of Science in Informatics

May 2026

GPA: 3.47/4.00

Major: Informatics | **Minors:** Business Cognate and Human Computer Interaction and Design

PROJECTS

I211 Semester Project, Bloomington, IN

January 2024 – May 2024

Information Infrastructure II

- Developed a functioning web application using HTML, JavaScript, and Python for an outfitting company, creating an interactive and responsive user interface.
- Implemented features such as real-time equipment availability updates, booking forms, and accounts to enhance user experience
- Utilized SQL queries to handle complex data operations such as inventory management, booking system, and customer records

I308 Final Project, Bloomington, IN

January 2024 – May 2024

Information Representation

- Created a comprehensive database using SQL to assist a theoretical music store in managing and scheduling appointments as well as tracking equipment rentals
- Leveraged Entity Relationship Diagrams (ERDs) to visualize and plan the relationships between different entities such as employees, clients, and equipment, facilitating a clear understanding of the database structure
- Added PHP functions to update and manage database queries, making data handling more efficient and user-friendly

MedAssist, Bloomington, IN

January 2023 – May 2023

Healthcare Assistant Application Design

- Utilized Figma and Canva to prototype and design "MedAssist," creating a high-fidelity, user-centered interface that addresses key healthcare challenges like language barriers, accessibility, and holistic patient care.
- Conducted primary research through interviews with medical professionals and patients to identify real world problems in health care, such as language barriers, holistic issues, and a demand for cost-effective solutions. This research led us to focus on a patient-focused design
- Led user testing sessions to gather actionable feedback, addressing navigation issues, refining button placement, and enhancing usability. I then Incorporated user insights to improve the app's flow, adding interactive elements like forward/back navigation and more visible QR codes to facilitate seamless use across diverse healthcare scenarios.

WORK EXPERIENCE

Hoosier Landscaping, Schererville IN

May 2024 – August 2024

Founder

- Leveraged social media platforms, local advertisements, and word-of-mouth referrals to effectively market my landscaping services, which resulted in a significant number of new clients
- Maintained communication with clients, ensuring each project met or exceeded expectations while prioritizing timely completion

Grand Lakes Landscaping Management, Schererville IN

May 2022 – June 2024

Landscape Specialist

- Worked on a wide array of projects, ranging from the installation of patios and pergolas to the intricate crafting of gates and archways
- Collaborated closely with supervisors, maintaining communication to guarantee that each project exceeded customer standards, while also prioritizing timely completion

LEADERSHIP & INVOLVEMENT

Effective Altruism IUB, Bloomington, IN

January 2025 - Present

Website Designer

- Researching tech and finance solutions to develop practical approaches for real-world community challenges
- Designing and programming a website to enhance EA Indiana University's online presence.

Beta Sigma Psi, Bloomington, IN

March 2023 – January 2025

Recruitment Chair

- Effectively communicated my recruitment plans and strategy to the executive board and a team of 20 recruitment committee members, ensuring everyone understood their roles in executing recruitment activities
- Selected 31 new members from over 300 students, focusing on those who best fit the organization's values.
- Listening to feedback from the University and Nationals regarding the recruitment process, incorporating their insights to refine my recruitment strategy