Isaiah Swank
Software Engineer

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Motivated software engineering student at Northern Arizona University with a passion for building technology solutions that foster connection and community. Strong foundation in software development, product design, and database management. Eager to contribute technical expertise, leadership, and a user-focused approach, driving innovative tools that empower organizations and individuals.

SKILLS

- Languages: C/C++, Python, JavaScript, HTML, CSS
- Databases: SQL, MongoDB
- Frameworks & Tools: Agile, Version Control (Git), Ionic
- Software Testing: Deepstate, Unit testing, Mutation testing, Validation testing
- Soft Skills: Leadership, Problem-solving, Collaboration, Communication

EDUCATION

Northern Arizona University - Bachelor of Science, Software Engineering
August 2021 - May 2025, 3.36   Flagstaff, AZ

Relevant courses

- Artificial Intelligence
- Integrating Generative AI in Software
- Database Systems
- Data Structures
- Human-Computer Interaction
- Software Project Management
- Software Testing

PROJECTS

MealsMyWay - Team Lead - 2024 NAU Engineering Fest 1st Place
2024 - current

- Leading the design of meal prep web and mobile application aimed at simplifying meal organization for users.
- Managing client communication and bi-weekly meetings to ensure project goals align with user needs and satisfaction.
- Overseeing task delegation, database design, front-end development, and overall product architecture.
- Chief architect of product and system design, using feedback from possible end users to tailor a friendly user experience.
- Integrating generative AI to streamline recipe suggestions and automate prep list generation, enhancing user convenience and reducing planning time.

Karate Time Games - Creator
2023 - current

- Developed a PvP game for children using HTML5, CSS, and JavaScript, focusing on creating intuitive gameplay systems and custom visual assets.
- Integrated player feedback into the development process, iterating on mechanics and improving the game's user experience.
- Continuously expanding the game's features while optimizing performance for smooth gameplay across platforms.

WORK EXPERIENCE

Flagstaff Church of Christ - Campus Leadership Intern
May 2023 - current

- Completed leadership training emphasizing communication, problem-solving, and public interaction.
- Mentoring students at Northern Arizona University, applying leadership techniques to foster growth and community involvement.
- Collaborated with peers to design and execute programs aimed at increasing involvement and strengthening organizational mission.