

DAVID THISSEN

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SUMMARY

An emerging data scientist and demonstrated self-starter with relevant and practiced technical skills seeking opportunities to tackle challenging research and business growth needs through data processing, analysis, and visualization by engaging and collaborating with motivated and results-seeking professionals.

EDUCATION

University of Delaware, College of Engineering, Newark, DE Anticipated Graduation 2027

- *BS in Computer Science with a Data Science Concentration*
- *Relevant Coursework: Data Structures, Machine Organization and Assembly Language, Systems Programming, Discrete Math, Calculus A–C*
- *Awards: Dean's List*

TECHNICAL SKILLS

- *Computer Languages: Python, Typescript, JavaScript, Java, C, C++, ASM, R, HTML, CSS*
- *Tools: WebEz, Node.js, React, Git, SQL, Flask*
- *Skills: Programming, software development, data analysis, database management, version control, data structures and algorithms, documentation and communications*

PROJECTS & LEADERSHIP EXPERIENCE

President/Founder, Professional Computing Society September 2023 – Present

- *Founded and lead a student organization focused on collaborating and building real-world application projects, fostering innovation and hands-on experience among members.*
- *Guided teams in developing impactful projects, coordinating brainstorming sessions, and ensuring the successful delivery of solutions addressing real-world challenges.*

MyNews Independent project – ongoing

- *Built a personalized media platform using React for an intuitive user interface, Node.js for a scalable back-end, and PostgreSQL to manage user data and content preferences.*
- *Integrated **ChatGPT API** and **News API** to deliver dynamic, interest-based news updates, enabling tailored content recommendations for a highly engaging user experience.*

SoundCraft Music Studio Independent project – ongoing

- *Developed **SoundCraft Music Studio**, a web-based application for composing, editing, and mixing music, utilizing the **Web Audio API** for real-time audio processing and manipulation.*
- *Integrated features for customizable sound effects, multi-track editing, and exporting compositions, providing a seamless experience for users to create professional-quality music directly in their browser.*

HabitFlow Tracker Independent project – ongoing

- *Built HabitFlow Tracker, a web application to manage and track habits, leveraging **TypeScript** for scalable development and **WebEz** for rapid UI prototyping and deployment.*
- *Implemented features for setting goals, tracking progress, and providing visual analytics to help users build and maintain productive habits effectively.*

CERTIFICATIONS

Google Certification: Foundations of UX Design

- *Completed a comprehensive program covering user experience design principles, wire framing, prototyping, user research, and usability testing.*
- *Gained hands-on experience with industry-standard tools and methodologies, enhancing the ability to design intuitive and accessible interfaces.*