

Connor Love

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Profile

Student researcher and software engineer (OSU CSE) with experience in **web application development for data handling and monitoring**. Skilled in TypeScript, React, Node.js, PostgreSQL, and Docker. Passionate about applying scalable backend systems, data visualization, and accessible UIs to support **vehicle health, maintenance, and operations tracking**. Available Autumn 2025.

Education

The Ohio State University

Bachelor of Science, Computer Science and Engineering

Columbus, OH

Expected May 2028

Kent State University

Aug. 2024 – Jul. 2025

GPA: 3.98 | Choose Ohio First Scholar (2024–2025)

Kent, OH

Research Experience

Choose Ohio First Scholar – Student Researcher

Kent State University

Aug. 2024 – Jul. 2025

- Conducted research on **Spatial Social Networks**, developing efficient algorithms for keyword-based community search (KCS-SSN).
- Built an interactive GUI to **query, filter, and visualize** high-cohesion communities; iterated with faculty feedback.
- Awarded a competitive STEM scholarship and presented results at the Kent State University Conference (Apr 2025).

Projects

EduSynapse

TypeScript, Node.js, PostgreSQL, Docker, Tailwind CSS

- Architected a **data-centric learning platform** with PostgreSQL and Docker for reproducible deployments.
- Built dashboards and components for **progress and health tracking**, generalizable to fleet monitoring applications.
- Implemented **role-appropriate accessibility** and error-state handling for reliability.

LoveChat

TypeScript, React, Tailwind CSS, Markdown, PostgreSQL

- Developed a full-stack application with **streamed data workflows** and persistent storage, applicable to telemetry and incident review.
- Implemented advanced search, filtering, and pagination to support large-scale data handling.
- Delivered responsive layouts and collaboration features while maintaining performance.

Freelance Web Applications

Creative Developer

- Designed and deployed **3+ responsive dashboards and portals**, improving community outreach and client operations.
- Shipped modern applications with authentication, CRUD flows, and **audit-friendly activity logs**.

Professional Experience

Telecommunications Intern

Summer 2024

Modern Telecom – Medina, OH

- Configured and deployed **50+ VoIP phones** for small businesses, ensuring smooth installation and reliable communications.
- Assisted in network deployment and troubleshooting in client-facing environments.

Freelance Creative Developer

Remote

2023 – Present

- Delivered full-cycle projects: requirements gathering, UI/UX design, frontend/backend development, deployment, and client training.
- Specialized in **scalable, data-driven web applications** aligned with real-world operations monitoring.

Honors & Awards

3rd Place – Kent Hack Enough Hackathon (Feb 2025), EduSynapse Project

Choose Ohio First Scholar – Competitive STEM Research Scholarship (2024–2025)

Technical Skills

Web & Data for Monitoring Apps: TypeScript, React, Next.js, Node.js, PostgreSQL, REST APIs, Docker

Languages: JavaScript, Java, C++, Python, SQL, HTML/CSS

UI/UX: Tailwind CSS, Material-UI, accessibility best practices

Dev & Design: Git, Vercel, Figma, Photoshop, Illustrator

AI/Integrations: OpenAI API, Google Gemini, Claude, ElevenLabs

Portfolio

Portfolio of research and projects: <https://connorlove.com>