

THANE TATE

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EDUCATION

University of North Texas
Bachelors degree in Computer Science, Minor in Mathematics
GPA - 3.5
Course Work - Software Engineering, Algorithms, Data Structures and Algorithms, Foundations of Computing, Systems Programming, Technical Writing

Expected Graduation - 2026

TECHNICAL SKILLS

Languages & Frameworks | NextJS, Javascript, TypeScript, C++, C, CSS/HTML
Databases | MongoDB
Developer Tools | Git/Github, Visual Studio, Vercel
Methodologies | Scrum/Agile Methodologies

EXPERIENCE

Andy B's Entertainment
Technician

- Improved system reliability by fixing technical issues, which led to fewer repeat service requests and smoother operations.
- Diagnosed and resolved numerous software and hardware issues with bowling lanes and arcade games, improving resolution efficiency by applying troubleshooting techniques similar to software development debugging.
- Strengthened team communication and collaboration, ensuring faster resolution of technical issues through effective teamwork in a high-pressure environment.

Jan 2024 - Present

PROJECTS

Theory Climbing
E-Commerce Platform

NextJS | TypeScript | MongoDB | Paypal API | Git | Vercel

- Developed a full-stack web application using NextJS, integrating secure user authentication with Auth.js and a seamless checkout process with the PayPal API, leading to higher user engagement.
- Utilized MongoDB and MongoDB Atlas for scalable data storage and management, enhancing data performance and accessibility through advanced cloud-based features.
- Designed and implemented a responsive front end, providing an adaptive user experience across various devices and screen sizes while incorporating interactive elements to engage users more effectively.

Library Management System
Led a team in developing a library loan management software.

C++ | Makefile | Git | Scrum/Agile

- Led the project using Scrum/Agile methodologies, guiding the team through sprints and ensuring timely delivery, which enhanced collaboration and project management.
- Developed a management system to track loan statuses, manage book inventories, and record patron details, streamlining operations and boosting efficiency.
- Applied advanced object-oriented programming principles to ensure modularity, reusability, and maintainability.

Shell Project
Collaborated with a team to create a basic Unix-like shell

C | Unix System Calls | GNU Make | Git

- Developed a Unix-like shell with robust command parsing and built-in commands (cd, exit, pwd), enabling sophisticated command chaining and execution.
- Implemented signal handling and features such as aliases, command history, and multi-line command input, enhancing process management and user interaction.