

Samuel Preston

National Merit Scholar Seeking Summer 2024 Software Engineering Internship

Richardson, TX

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github.com/md-y

Education

The University of Texas at Dallas

May 2025

Bachelor of Science in Software Engineering

4.00 GPA

National Merit • Collegium V Honors • Townsend Memorial Scholar

UTD Computer Science Study Abroad in Prague, Czechia

May 2023 – July 2023

Studied Professional Technical Communication and User Experience

Skills

Languages	C++, C#, Java, Python, JavaScript/TypeScript, Dart, Go, SQL, Assembly
Frameworks	React, Next.js, Vue, Nuxt.js, Svelte, Jest, Sass, Tailwind, Flutter, Jupyter
Software/Tools	Azure, Postgres, Prisma, Git, GitHub, Linux, Firebase, Node.js, Figma

Projects

Volunteer Management System (Texas Osteoporosis Foundation)

Aug 2023 – Present

Skills: TypeScript, Nuxt.js, Tailwind, Prisma, Postgres, Auth0, Azure

github.com/UTDallasEPICS/tx-osteo-tracker

- Manage a custom volunteer management system for the Texas Osteoporosis Foundation
- Enable staff to easily create community events and manage volunteer training
- Serve as the liaison between the software development team and foundation stakeholders
- Use an Agile development approach with weekly meetings and month-long sprints

MangaDex Full API (Personal)

Feb 2019 – Present

Skills: TypeScript, Node.js, GitHub, Jest, CI/CD

md-y.github.io/mangadex-full-api

- Created the internationally most-used API wrapper for a popular reading website
- Self-managed public open-source development through GitHub with many collaborators
- CI/CD through GitHub Actions for automatically deploying to NPM and testing with Jest

RememberMe (ACM Projects)

Sep 2022 – Nov 2022

Skills: Flutter, Firebase, Figma

github.com/acm-projects/rememberme

- Developed a study app to help users remember the people they have met and might forget
- Won 2nd best app developed through ACM Projects by professors and industry judges
- Deployed with user authentication and cross-device syncing

Work Experience

Code Ninjas, Senior Instructor

Aug 2023 – Present

- Supervise and train other instructors and organize lesson activities
- Teach coding, problem solving, and other STEM skills to young children
- Responsible for ensuring the safety and well-being of instructors and students
- Enthusiastically promote programs to parents and other potential customers

The Home Depot, Freight Associate

Mar 2022 – Aug 2022

- Worked nightly in the fast-paced freight logistics and staging area with strict deadlines
- Assisted customers daily in finding specific merchandise and accessing bulky items

Course Experience

Database Systems	Data Structures & Algorithms	Linear Algebra
Computer Networking	Human-Computer Interactions (UX)	Physics Mechanics & Waves
Software Engineering (SDLC)	UNIX Systems Programming	Discrete Mathematics
Computer Architecture	Professional Responsibility & Ethics	Professional Communication