

# Samuel Preston

## National Merit Scholar Seeking Summer 2024 Software Engineering Internship

Richardson, TX  
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[Resume Redacted]

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[github.com/md-y](https://github.com/md-y)

## Education

**The University of Texas at Dallas** May 2025  
Bachelor of Science in Software Engineering 4.00 GPA  
*Full-Ride National Merit Scholar • Townsend Memorial Scholar • Collegium V Honors*

**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, HTML, Dart, Go, SQL, Assembly
Frameworks	React, Vue, Next/Nuxt, Svelte, Jest, Sass, Tailwind, Flutter, Jupyter, TensorFlow
Software/Tools	Azure, Postgres, Prisma, GitHub, Linux, Firebase, Node.js, Figma, MS Office

## Projects

**Training and Management System** (Texas Osteoporosis Foundation) Aug 2023 – Present  
Skills: TypeScript, Nuxt.js, Tailwind, Prisma, Postgres, Auth0, Azure [github.com/UTDallasEPICS/tx-osteo-tracker](https://github.com/UTDallasEPICS/tx-osteo-tracker)

- Implemented a training and management website for the Texas Osteoporosis Foundation
- Enabled staff to easily create community events and manage volunteer training
- Served as the liaison between the software development team and foundation stakeholders
- Used 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, REST APIs, OpenAPI [md-y.github.io/mangadex-full-api](https://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 by communicating with many collaborators
- CI/CD through GitHub Actions for automatic deployment and testing to optimize DevOps

**RememberMe** (ACM Projects) Sep 2022 – Nov 2022  
Skills: Flutter, Firebase, Figma, OAuth [github.com/acm-projects/rememberme](https://github.com/acm-projects/rememberme)

- Developed a cross-platform study app to help users remember people
- Won 2<sup>nd</sup> best app developed through ACM Projects by professors and corporate 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
- Quickly problem solve to ensure the safety and well-being of students and instructors
- Enthusiastically promote and sell 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 inventory

## Course Experience

Database Systems	Data Structures & Algorithms	Software Project Management
Computer Networks	Human-Computer Interactions (UX)	Linear Algebra
Software Engineering (SDLC)	UNIX Systems Programming	Discrete Mathematics
Computer Architecture	Professional Responsibility & Ethics	Professional Communication