

# Samuel Preston

## National Merit Scholar Seeking Summer 2024 Software Engineering Internship

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## 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, HTML/CSS, Dart, Go, SQL
Frameworks	React, Next.js, Vue, Nuxt.js, Svelte, Jest, Sass, Tailwind, Flutter, Jupyter
Software/Tools	Azure, Postgres, 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](https://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](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 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](https://github.com/acm-projects/rememberme)

- Developed a study app to help users remember the people they have met and might forget
- Won 2<sup>nd</sup> 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

UNIX Systems Programming	Data Structures & Algorithms	Discrete Mathematics 1 & 2
Software Engineering (SDLC)	Human-Computer Interactions (UX)	Computer Architecture
Professional Communication	Professional Responsibility & Ethics	Physics Mechanics & Waves