

Samuel Preston

National Merit Scholar Seeking Fall 2024 / Summer 2025 Software Engineering Internship

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github.com/md-y
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Education

The University of Texas at Dallas May 2026
Bachelor of Science in Software Engineering Junior Standing, 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++, Java, Python, JavaScript, TypeScript, Dart, SQL, MIPS Assembly
Frameworks	React, Next.js, Vue, Nuxt.js, Svelte, Jest, Sass, Tailwind, Flutter, Jupyter
Software/Tools	Git, GitHub, UNIX/Linux, Firebase, Node.js, NPM, Webpack, Figma, Postgres

Projects

Volunteer Management System (Texas Osteoporosis Foundation) Aug 2023 – Present
Skills: TypeScript, Nuxt.js, Tailwind, Prisma, Postgres, Auth0 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
- Developing with Nuxt.js for efficient website creation and Auth0 for secure authentication
- Use an Agile development approach with weekly meetings and month-long sprints

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

Activities

UTDesign EPICS, Developer for Texas Osteoporosis Foundation Aug 2023 – Present
Association of Computing Machinery, Web Developer Sep 2022 – Present

Course Experience

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