

Samuel Preston

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

Richardson, TX

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github.com/md-y

Education

The University of Texas at Dallas

Bachelor of Science in Software Engineering

National Merit • Collegium V Honors • Townsend Memorial Scholar

May 2025

Junior Standing, 4.00 GPA

UTD Computer Science Study Abroad in Prague, Czechia

Studied Professional Technical Communication and User Experience

May 2023 – July 2023

Skills

Languages	C++, Java, Python, JavaScript, TypeScript, HTML, CSS, Dart, MIPS Assembly
Frameworks	React, Next.js, Svelte, Jest, Sass, Flutter, Jupyter, Pandas, Numpy, Keras
Software/Tools	Git, GitHub, UNIX/Linux, Firebase, Node.js, NPM, Vite, Esbuild, Webpack, Figma

Projects

MangaDex Full API, Lead Developer

Feb 2019 – Present

Skills: JavaScript, 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
- Implements an asynchronous object-oriented design using TypeScript and OpenAPI
- CI/CD through GitHub Actions for automatically deploying to NPM and testing with Jest
- Fully documented with examples and self-written tutorials via TypeDoc

RememberMe, Full-Stack Developer

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
- Created over three months using the Agile development approach

Work Experience

Code Ninjas, Instructor

Aug 2023 – Present

- Teach coding, problem solving, and other STEM skills to young children
- Supervise other instructors and organize lesson activities during the day
- Responsible for ensuring the safety and well-being of instructors and students

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