

Samuel Preston

National Merit Scholar Seeking Summer 2025 Software Engineering Internship

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Education

The University of Texas at Dallas May 2026
Bachelor of Science in Software Engineering 4.00 GPA
National Merit Scholar • Tau Beta Pi Honors • Townsend Memorial Scholar • Collegium V Honors • ACM

UTD Computer Science Study Abroad in Prague, Czechia May 2023 – July 2023
Studied Professional Technical Communication and User Experience (UX)

Skills

Languages C++, C#, Java, Python, JavaScript/TypeScript, HTML, Dart, Go, SQL, Assembly
Frameworks React, Vue, Next, Node, .NET, Jest, Sass, Tailwind, Flutter, Jupyter, TensorFlow
Software/Tools Azure, AWS, Docker, PostgreSQL, MongoDB, Git, Linux, Figma, Playwright

Work Experience

Origami Risk, Software Engineering Intern May 2024 – Present

- Worked full-time on a full-stack project building a microservice from the ground up
- Consistently delivered quality work ahead of schedule in a fast-paced Agile environment
- Mentored teammates and wrote documentation on technologies new to the company

Code Ninjas, Senior Instructor Aug 2023 – May 2024

- Supervised the teaching of coding, problem solving, and other STEM skills to young children
- Quickly problem solved to ensure the safety and well-being of students and instructors

Projects

Payment Provider Microservice (Origami Risk) May 2024 – Present
Skills: C#, ASP.NET, React, Typescript, Playwright, Material UI, MongoDB, Agile/Scrum origamirisk.com

- Pioneered a new microservice that reduces implementation times from a month to a day
- Enabled business analysts to implement new payment providers without writing any code
- Led the development of new software testing tools for component testing and API mocking
- Designed a custom node-based configuration tool that supports a quality user experience

MangaDex Full API (Personal) Feb 2019 – Present
Skills: TypeScript, Node.js, GitHub, Jest, CI/CD, REST APIs, OpenAPI samuelpreston.me/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

Training and Management System (Texas Osteoporosis Foundation) Aug 2023 – May 2024
Skills: TypeScript, Vue, Nuxt, PostgreSQL, Auth0, Azure github.com/TexasOsteo/tx-osteo-tracker

- Implemented a training and management website for the Texas Osteoporosis Foundation
- Deployed a public-facing website to Azure with full authentication and SEO
- Served as the liaison between the software development team and foundation stakeholders

Course Experience

Project Management	Software Testing, Validation, & QA	UNIX Systems Programming
Software Engineering (SDLC)	Software Architecture & Design	Computer Networks
Requirements Engineering	Data Structures & Algorithms	Computer Architecture
Database Systems	Human-Computer Interactions (UX)	Linear Algebra
Operating Systems	Human-Language Technologies	Discrete Mathematics