

Miles "Mius" Thomas

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Education

Rensselaer Polytechnic Institute

August 2022 – May 2026

B. S. in Computer Science, minors in IT & Web Science and Graphic Design

Troy, NY

Relevant Coursework

- Data Structures
- Intro to Algorithms
- Programming Languages
- Principles of Software
- Web Sci Systems Dev
- Operating Systems
- Software Design & Documentation
- Information Design
- Intro to HCI
- Typography
- Brand Identity Design

Technical Skills

Languages: TypeScript, JavaScript, Python, Java, C/C++, SQL, GraphQL

Frameworks: React, Next.js, TailwindCSS, Node.js, Express.js, Flask, Django

Cloud & DevOps: AWS (Lambda, S3), Microsoft Azure, Azure DevOps, Jenkins, Heroku, Vercel, Docker

Databases: MongoDB, Postgres, MySQL

Tools: Figma, Adobe Creative Cloud, Git, REST APIs, Pytest, Postman, Swagger

Experience

Continental Finance Company

June 2025 – August 2025

Software Development Intern

Wilmington, DE

- Built and deployed a full-stack internal operations dashboard (React, Node.js, TailwindCSS, .NET/C#) for near real-time monitoring and management of 10K+ daily business events across 100+ workflows, reducing manual intervention time by 85% and improving operational response speed 4x.
- Designed high-fidelity Figma mockups for multiple end-to-end workflows, iterating with users and engineering to shape the frontend and reduce implementation time by 15%.
- Owned and delivered 8 features across 3 two-week sprints using Scrum and Azure DevOps, collaborating with senior engineers, QA analysts, and business analysts.

Capital One

June 2024 – August 2024

Software Engineering Intern

McLean, VA

- Developed and deployed an AWS Lambda API (Python) delivering cloud maturity metrics for 30+ cloud infrastructure systems, built for adoption by 11,000+ engineers across 2,000+ agile teams.
- Collaborated with senior engineers in a Scrum environment using Python, GraphQL, and Jenkins to design, implement, and release backend services at enterprise scale.
- Implemented 50+ Pytest unit tests using black-box and white-box methodologies, achieving 90%+ statement coverage.

Projects

Needle — Editorial Platform | thread.rpi.edu | *React, AWS, Flask, MongoDB, Vercel*

August 2025 – May 2026

- Built a full-stack publishing platform powering The Thread's public site and internal admin workflows for events, contributors, and 100+ publication assets.
- Designed entity-based API and database models (events, images, members) with frontend-first route architecture and S3-backed asset storage.
- Led UI/UX for the public site and admin portal—visual identity, mobile-first layouts, iconography, and responsive React interfaces for content discovery and media management.

Finder | *HTML, CSS, JavaScript, PHP, SQL, MySQL, Microsoft Azure, Figma*

September 2024 – December 2024

- Built a full-stack lost-and-found platform for the RPI community (9,000+ users), enabling item reporting, search, and recovery workflows.

Personal Brand Site | miusthomas.com | *Next.js, React, Vercel, Figma*

December 2024 – Current

- Designed and engineered a dynamic digital brand footprint from visual concept through deployment—custom layout system, case-study displays, and interactive visuals.

Leadership

The Thread

August 2025 – Current

Founding Editor-in-Chief

Rensselaer Polytechnic Institute

- Founded RPI's fashion and visual design publication; built a multidisciplinary team across engineering, photography, design, and editorial.