

AUSTIN MILLER

Boston, MA | [linkedin.com/in/milleraustink](https://www.linkedin.com/in/milleraustink)

PROFESSIONAL SUMMARY

Software engineer and MIT System Design & Management Fellow with five years of experience delivering cloud-native, mission-critical software for national security and enterprise engineering organizations. Currently serves as Task Lead for a multidisciplinary software team at Draper Laboratory, directing rapid-prototyping efforts for mission-critical control systems, with a parallel record of Army Reserve operational command and logistics leadership.

EDUCATION

Massachusetts Institute of Technology

Cambridge, MA

School of Engineering & Sloan School of Management

2026 - Present

M.S., Engineering and Management, expected May 2028

- Fellow, System Design and Management

Rochester Institute of Technology

Rochester, NY

B.S., Computational Mathematics, magna cum laude

2017 - 2021

- Minor in Military Science and Leadership, Mechanical Engineering
- Honors: Distinguished Military Graduate (Army ROTC), Dean's List (6x)

EXPERIENCE

Draper Laboratory

Cambridge, MA

Senior Software Engineer — Task Lead, Multidisciplinary Software Team

2025 - Present

- Leads a multidisciplinary team spanning Draper and subcontractor engineers at a partner organization as Task Lead, directing rapid-prototype development of distributed, mission-critical software that must execute synchronously and without failure across multiple integrated systems
- Owns the team's planning cycle end-to-end, authoring requirement documents and system-level architecture, and driving Scrum ceremonies including sprint kickoff and planning, using Jira and Confluence for task and knowledge management
- Develops and maintains software using GitLab, Git, Docker dev-containers, and Conan, ensuring reliable, reproducible builds across a distributed engineering team

The MathWorks, Inc.

Natick, MA

Software Engineer

2021 - 2025

- Spearheaded architectural redesign of a monolithic MATLAB application into a cloud-native, deployed-services architecture, decoupling the backend from the front-end IDE via a multi-process design
- Developed and maintained a core internal C++ API, providing robust, efficient communication for terminal and CLI services across the multi-process system

325th Military Intelligence Battalion, U.S. Army Reserve

Fort Devens, MA

Detachment Commander, Headquarters & Headquarters Detachment

2025 - 2026

- Assumed command of a 70-person multidisciplinary headquarters element on short notice, preventing a leadership vacuum within the battalion's command structure
- Ensured full operational continuity for a Military Intelligence Battalion, managing administrative, training, and logistical support for the command group and primary staff

Assistant Operations Officer (S-3) / Logistics Officer in Charge (S-4)

2021 - 2025

- Directed operational planning, training, and readiness for a 300+ person expeditionary military intelligence battalion while managing the budget, deployment, and maintenance of \$34.3M in equipment
- Led and mentored soldiers across multi-company operations and logistics functions, earning the Army Achievement Medal for exceptional performance

101edu

Boston, MA

Application Engineer

2021

- Maintained and improved a CI/CD pipeline using GitHub Actions and AWS, and provided full-stack technical support across Spring, React Native, Cypress, and MongoDB to ensure product quality in a rapidly expanding startup environment

ADDITIONAL INFORMATION

- **Technical Skills:** C++, MATLAB, Embedded Programming, Docker, GitLab, Git, Conan, CI/CD, Microservices, Agile/Scrum
- **Interests:** Canine training, rock climbing, hiking and backpacking, community fitness