

Solidigm Inc.

Machine Learning Intern – AI/ML for SSD Firmware & Intelligent Storage Systems

Location: San Jose, California

Start Date: January 2027

Duration: 6 months

Work Model: Hybrid — minimum 3 days per week onsite

Target Candidate: M. S. or Ph.D. student in Computer Science, Artificial Intelligence, Machine Learning, Computer Engineering, Electrical Engineering, Data Science, or a closely related field. Students graduating in 2027 or early 2028 preferred.

Full-Time Opportunity: Potential opportunity for full-time employment upon successful completion of the internship

About the Role

We are seeking an exceptional **M.S. or PhD intern in Artificial Intelligence and Machine Learning** to develop and apply advanced AI technologies to next-generation enterprise SSDs, firmware algorithms, validation, debugging, and firmware development automation.

This position sits at the intersection of **AI/ML, agentic AI, storage systems, and embedded firmware**. You will work on real-world engineering problems involving:

- AI/ML-based SSD firmware algorithm optimization
- Design end-to-end **machine-learning pipelines**.
- Develop time-series and anomaly-detection algorithms
- AI-assisted firmware failure analysis and root-cause diagnosis
- Agentic AI and LLM-based firmware development automation
- AI model optimization and integration with SSD firmware and engineering systems

Minimum Qualifications

- Currently pursuing an **M.S. or PhD in Computer Science, Electrical Engineering, Computer Engineering, Artificial Intelligence, Machine Learning, Data Science, or a closely related field**.
- Expected graduation in **2027 or early 2028** preferred.
- Strong theoretical and practical foundation in **machine learning and deep learning**.
- Experience developing end-to-end ML pipelines, including:
- Hands-on experience in following areas:
 - Deep learning
 - Time-series modeling
 - Anomaly detection
 - Large Language Models
 - Agentic AI
- Available for a **6-month internship**; preferred start date is around January 2027.