MASON INMAN

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EDUCATION

M.S. Artificial Intelligence *(Expected)*   Spring 2025 – Spring 2026
Iowa State University

B.S. Software Engineering   Spring 2025
Iowa State University   *Magna Cum Laude* — GPA: 3.88

- Relevant Coursework: **Data Structures**, **Design and Analysis of Algorithms**, Machine Learning, Artificial Intelligence, Software Development Practices, Database Management, and Software Testing.
- **Top 2%** Engineering Student Spring 2023.

SKILLS

Languages: Python, Java, C , and C++
Tools and Technologies: PyTorch, OpenCV, SQL, Linux, AWS (SFTP, S3, Batch, RDS, Secrets, etc.), Jira, and Git.

EXPERIENCE

Advanced Software Engineering Intern   Summer 2025 – Current
Kingland Systems   Summer 2024 – Winter 2024
- Engineered features for a highly regulated enterprise platform, ensuring compliance with industry standards while supporting over 1,000,000 users.
- Delivered full-stack features in an agile environment using **Java**, **SQL**, **AWS**, **GitLab**, **Jira**, and Confluence.
- Developed and integrated custom broker data processors, encryption algorithms, SSH key authentication, and database configurations that enabled onboarding of new clients and increased revenue.

PROJECTS

LameScore – Machine Learning and Computer Vision on Dairy Farms   Summer 2025 – Present
- Collaborating with leading US Dairy Producer on **patent-pending** convolutional neural network solutions for real-time lameness detection in dairy cattle using **PyTorch** and **OpenCV**.
- Deploying models to an embedded system to enable on-farm use, creating a product projected to save dairy farmers $370 per cow.

Project ELM – Real-Time Pupil Segmentation   Fall 2024 – Spring 2025
- Designed, optimized, and deployed a high-performance CNN for real-time pupil segmentation on an FPGA board.
- Achieved a 14x speedup and 70% parameter reduction through model quantization and tuning.
- Utilized **Python**, **PyTorch**, **OpenCV**, **PYNQ**, and **Vitis-AI**.

Fit Fusion Network – Social Networking Gym App   Fall 2023
- Built and designed an Android app, connecting gym-goers, with **Java** and a **REST API**.

LEADERSHIP

Senior Martial Arts Instructor & Program Director — Ankeny Martial Arts   2008 – Present
- Achieved a 5th Dan Black Belt (Master) in Taekwondo through superior teaching to 200+ students, passion, and dedication.
- Lead multiple martial arts programs, overseeing curriculum development, program management, and student advancement.