Roman Di Domizio

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EDUCATION

Master of Science in Artificial Intelligence & Graduate Certificate in Engineering Management Boulder, CO (Remote)
University of Colorado Boulder Expected May 2027

Bachelor of Science in Computer Science Boulder, CO
University of Colorado Boulder | GPA: 3.4 August 2022-May 2025
ACHA D1 Ice Hockey Player: Dedicated ~30 hours weekly to compete at the ACHA D1 level for three years
Coursework: Startup Essentials, LLMs, Intro to AI, Cognitive Science, Data Science, Software Development, Database Systems

SKILLS

Programming Languages: Python, C++, TypeScript, JavaScript, SQL
AI/ML Engineering: RAG (LlamaIndex, ChromaDB), LLM APIs, prompt engineering, agentic frameworks (LangGraph)
Modeling & Alignment: RLAIF, RLHF, constitutional AI, fine-tuning (MLX, LoRA/QLoRA), evaluation (LangSmith)
Tools & Platforms: FastAPI, Streamlit, Ollama, Jupyter, NumPy, Pandas, scikit-learn, Git, GitHub Actions
Application Development: React, React Native, Node.js, MongoDB, MySQL, Unreal Engine 5
Product & Strategy: Agile (Scrum, Kanban), product roadmapping, technical specification, Notion, Jira, Figma, Miro

EXPERIENCE

AI & Product Intern (Contract) Denver, CO (Hybrid)
WeOwn Labs *July 2025–Present*
- Provide full-time contract support across AI agent research, product operations, and software engineering
- Execute weekly deliverables via FluentBoards, including smart contracts, agentic frameworks, and content systems
- Support the design and delivery of AI learning cohorts, contributing to technical curriculum, tools, and documentation
- Collaborate with leadership on Web3 integrations, system architecture, and operational strategy for cross-functional work

AI Product Lead (Internship) Berkeley, CA (Remote)
The Verse *March 2025–July 2025*
- Led AI product strategy and authored the 0-to-1 roadmap for a multi-agent OS using Scrum and Kanban
- Designed the agentic framework with LangGraph orchestration and LangSmith evaluation
- Engineered the core RAG system (Python, LlamaIndex, ChromaDB) for multi-agent knowledge retrieval
- Developed a constitutional AI safety layer and RLAIF/DPO loop for continuous model alignment
- Scoped the integration path to Unreal Engine 5 via FastAPI, enabling real-time avatar control via NVIDIA R2X

Co-Founder & Software Engineer Boulder, CO
Sugar (Capstone) | github.com/romandidomizio/Sugar.git *September 2024-May 2025*
- Developed a mobile app with React Native, Expo, and TypeScript, delivering a smooth user experience
- Engineered a scalable and secure backend (Node.js, MongoDB) to manage user data and transactions
- Led Agile product iterations in Jira, from scoping to MVP launch with real user feedback
- Set up CI/CD with GitHub Actions for automated testing and streamlined deployment

Tech Director Boulder, CO
HackCU | hackcu.org/hackcu11 *August 2024-March 2025*
- Led full-cycle web development for HackCU 11, Colorado's largest collegiate hackathon, with ~190 participants
- Designed and built a custom ski-themed website using Figma, React, TypeScript, and Tailwind
- Ran Scrum with GitHub Actions and Jira, syncing cross-functional updates on schedule for the three-day event

PROJECTS

LLMfeed Spring 2025
github.com/romandidomizio/LLMfeed.git *Course: Future of Programming: LLMs?*
- Built a fully automated AI-news video pipeline using Python, OpenRouter, and MoviePy for content, voice, and editing

Mancala AI Agent Fall 2024
github.com/lugo7099/Mancala.git *Course: Introduction to Artificial Intelligence*
- Engineered a Minimax-based Mancala agent in Python that wins 97–99% of simulated matches using custom heuristics

3D UFO Adventure Fall 2024
github.com/romandidomizio/3D-UFO-Adventure.git *Course: Computer Graphics*
- Created a 3D cyber-city in OpenGL and C with user-controlled UFO navigation, lighting, and real-time rendering