

SAMUELE CENTANNI

Student in Artificial Intelligence

+393351948809 samuelecentanni@gmail.com www.linkedin.com/in/samuele-centanni Modena

WORK EXPERIENCES

ML Model Selection & Optimization

- Machine Learning 2024 - Now Bologna
- I analyzed multiple datasets to identify the most effective clustering and classification techniques, evaluating model performance using key metrics
 - Explored and compared various clustering and classification techniques
 - Assessed model performance using accuracy, F1-score, and precision-recall analysis
 - Gained hands-on experience in algorithm selection and performance evaluation based on data characteristics

Autonomous agent for the Tablut Board Game

- Tablut Board Game 2024 - 2024 Bologna
- Worked in a team to develop an autonomous agent for Tablut using Min Max with Iterative Deepening, heuristics, and optimization strategies
 - Performance: Wins 75% of matches, loses 20%, and draws 5% against other agents, showcasing strong strategic capabilities
 - Implemented game theory concepts and search algorithms
 - Used Java for implementation and Git for version control

Tutor for a course on the use of VR headset at IIS Corni

- High school tutor on VR headsets 03/2025 - Now Modena
- Virtual reality (VR) and augmented reality (AR) technologies
 - Main modeling and rendering software, such as Blender and Unreal Engine
 - Development of applications, publication on stores and the use of specific hardware for sharing and collaboration in virtual environments

Developed a website emulating a simple social network

- Simple Social Network Emulation 2024 - 2024 Modena
- Implementing user authentication
 - Interactions using Django

Workaway Volunteer

- Workaway Volunteer 07/2024 - 09/2024 City: California & Hawaii
- This experience reinforced my ability to work in dynamic, globally distributed teams, a key skill for remote and international collaboration.
 - Practiced and improved English proficiency through daily interactions with native speakers
 - Developed problem-solving and teamwork skills by collaborating with hosts and fellow volunteers on various projects
 - Adapted to diverse work environments, from rural homesteads to tropical settings, strengthening resilience and independence

SUMMARY

Master's student in Artificial Intelligence with a strong Computer Science background and a passion for Machine Learning, Deep Learning, and Computer Vision.

I am a **continuous learner**, **results-driven**, and a **creative problem solver**, always striving for innovation. I value **authenticity**, **collaboration**, and **personal effectiveness** to achieve meaningful results. Seeking an internship to apply AI techniques to real-world challenges in an international environment.

UNIVERSITY

Master's Degree in Artificial Intelligence

- Alma Mater Studiorum
- 10/2024 - Now Unibo
- City: Bologna
 - Country: Italy
 - Relevant coursework:** Machine Learning, Mathematic and Statistics, Deep Learning, Computer Vision

Bachelor's Degree in Software Engineering

- Università degli Studi di Modena
- 09/2021 - 10/2024 Reggio Emilia, UNIMORE
- City: Modena Country: Italy Field(s) of study: Software Engineering
 - Environment and Continuous Integration
 - Final grade: 105/110 | Thesis: DevOps Environments and CI/CD

LANGUAGES

English Proficient ●●●●●

Italian Native ●●●●●

HARD SKILLS

Git	Java	Matplotlib	Numpy
OpenCV	Pandas	Python	PyTorch
Scikit-Learn	Scipy	TensorFlow	
DevOps	GitHub Actions	Agile	

FIND ME ONLINE

- LinkedIn
www.linkedin.com/in/samuele-centanni
- GitHub
https://github.com/SamueleCentanni