Martina Di Paola

Location: Daejeon, South Korea

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EDUCATION

KAIST, Korea Advanced Institute of Science and Technology Daejeon, South Korea
Bachelor in Computer Science (Double major in Business, Technology and Management) *Aug 2021 – Present*

CS Courses: Basics of AI, Programming Principles, Data Structure, Intro to Human-Computer Interaction, Introduction to Algorithms, Intro to AI, Computer Organization, Social Computing, Computer Ethics

BTM Courses: Principles of Accounting, Microeconomics, Financial Management, Intro to MIS, Intro to Business Management, Consumer Behaviour, High-Tech HRM, Technology Management, Venture Formation Practice

Activities and Societies: President of Freshmen class 27; Second prize at Color Your Year Project; member of KAIST International House, Student Assistant in International Office and Facilities Management Office

EXPERIENCE

Research Intern Sep 2023 - Present
Collaborative Social Technologies Lab, KAIST *Daejeon, South Korea*

- [Sep 2023-Sep 2024] Leading a project related to online social spaces and moderation tools. Working on identifying possible gaps in moderation spaces.
- [Sep 2024 - Present] Working on a Social Media Simulation with AI Agents. Responsible for developing a user interface and LLM pipeline.

NUS Young Fellowship Program June 2024 - July 2024
National University of Singapore *Singapore, Hybrid*

- Analyzed the use of AI in HCI user testing and precision medicine. Improved the use of AI in PhD Research

Social Media Content Creator May 2016 - Present
TikTok *Online*

- Creating videos as an Italian student in Korea and sharing daily life, with 49k followers and 2.1M likes.

Ambassador, United Cities and Local Governments (UCLG) June 2022 – Oct 2022
Daejeon Convention Center *Daejeon, South Korea*

- Managed the team during convention activities, promoting the event via social networks and offline.

PROJECTS

Simulation of a Smart Farm *Python, NumPy, PyModi, Arduino, MODI studio*

- Designed a smart farm prototype with weather regulation, real-time data monitoring, and an autonomous maintenance robot.

Shortest Path for Self-driving Car *Python, NumPy, PyModi*

- Built a mini-car that uses sensors to find its way across a map while using Python's reinforcement learning algorithm in the Frozen Lake scenario

Optimizing Dialogue Systems: Clustering and Quality-Aware Training *Python, HuggingFace, Transformers* link

- Improved the quality of generated answers by analyzing length and clustering methods

SKILLS

IT Languages	:	Java, Python, HTML, CSS, C
Dev Tools	:	Visual Studio Code, PyCharm, Eclipse, MatLab
Editing Tools	:	Figma, Adobe Lightroom, Illustrator, Photoshop, After Effects, iMovie
Tools	:	PowerPoint, Excel, Keynote, Pages, Word, Miro
Languages	:	Italian, English, Dutch, French, Korean