



### Graduation Thesis

To obtain the Industrial Engineering diploma

OPTION : DATA SCIENCE & ARTIFICIAL INTELLIGENCE

---

# Hyko.ai: Towards drag and drop Reinforcement learning.

---

***Written by:***

*Ghribi Ouassim Abdelmalek*

***Jury:***

*President:*

Prof. Philippe CUDRÉ-MAUROUX - National Polytechnic School of Algiers

*Examiners:*

Prof. Pierre SENELLART - National Polytechnic School of Algiers

*Supervisors:*

Mr. Oussama ARKI - National Polytechnic School of Algiers

Mr. Hachem BETROUNIE - BIGmama Technology

---

**ENP 2024**

10, Avenue des Frères Oudek, Hassen Badi, BP. 182, 16200 El Harrach, Alger,  
Algérie.



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

In the Name of God, Most Gracious, Most Merciful



# Acknowledgments

I extend my deepest gratitude to my thesis supervisors, Mr. Arki Oussama and Mr. Betrouni Hachem, for their indispensable guidance and unwavering support throughout this project. Their expertise and continuous encouragement have been pivotal in shaping its direction. I am sincerely thankful for their patience, insightful feedback, and generous investment of time, all of which have been crucial in refining this work.

On a personal level, I am profoundly grateful to my family and friends for their unwavering support and encouragement throughout this demanding yet rewarding journey. Their unwavering belief in my abilities has been a constant source of motivation, particularly during challenging times.

Moreover, I would like to express my appreciation to all individuals who directly or indirectly contributed to the completion of this thesis. Your support and encouragement have been invaluable and deeply cherished.

Special recognition goes to Mr. Hadj Khelil for his belief in me over the past two years. Progressing from a junior frontend developer to a team lead, overseeing an exceptional team of ambitious individuals, has been an enriching experience. Together, we have strived to develop software with the potential to make a positive impact on the world.



