18T EDITION

SUPER UPARADE PROGRAM





UNDERSTAND, DISCOVER, LEARN AND USE ARTIFICIAL INTELIGENCE



GET READY TO GAIN SOME SUPER POWERS THANKS TO ARTIFICIAL INTELLIGENCE!

ccording to a recent study published by the Institute for the Future, 85% of jobs that will exist in 2030 have not been invented yet. We do not think this is an exaggerated assessment. Imagine trying to explain to your grandmother what is a "Digital marketing expert", an "SEO consultant" or even a "Community manager"... None of these jobs existed 10 years ago, and they are very present nowadays.

In this climate of uncertainty, one truth seems to be widely accepted by companies and governments around the world: Artificial Intelligence

(AI) is one of the most important (if not THE most important) field to master, in order to secure ajob in the future.

But then you wonder:

How to be ready for Al if you don't know what it is, how it works and what it is useful for? How to know about Al future jobs and get prepared?

How to identify an Al project for your business and choose the right tools among the market offer? How to find your place in the Al industry?

Our mission is to democratize AI and help you answer these questions. It doesn't matter if you have prior programming skills or not.

We have created the mojo "Al is my friend" and its ecosystem that gathers Al actors from different backgrounds and offers trainings, workshops and events.

Different formats have been designed to understand, discover, learn all about Al and use it. You can choose how to experience Al, depending on your goals, your time and your skills.

All our contents can be delivered in English or in French, either online, or face to face.

In 1 year, we have already trained over 1000 people and worked with several academic institutions.

Because the Al revolution concerns everyone, YOU can also be part of this and call Al your friend!

Discover to our programmes on www.aimyfriend.com



There is a common misconception that artificial intelligence, machine learning and data science are fields that can only be tackled by professionals with prior software development skills.

This is not true!

For instance, most of people interested in machine learning start by acquiring the basis of Python and studying the mathematical basis of this field. They start building knowledge from there. This is totally acceptable and is commonly known as the "deductive" approach to learning.

Our methodology is the complete opposite as we use an "inductive" approach to teaching. Theory is learned through practice.

We provide "the big picture" of existing tools and propose a challenge to build a project.

To our knowledge, we are the only program in the world that uses the "inductive" approach to teach about data science and artificial intelligence. This allows us to share our knowledge with professionals who do not have any prior software development experience.

Today more than ever, there are several tools and solutions in the market that allow any professional to dive into these fields without any prior software development skills. Because the Al revolution concerns everybody, we all have the right to learn and acquire superpowers in this amazing field!

The courses on our program that require no prior software development experience are marked with this icon:

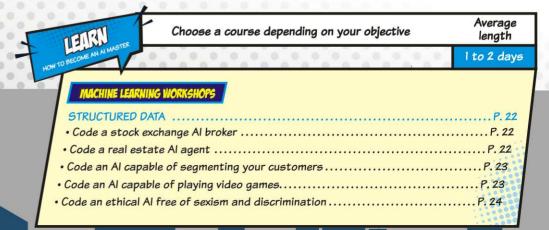


EXPERIENCE AI YOUR WAY!

ALL COURSES CAN BE DELIMERED IN PRESENCE OR ONLINE

UNDERSTAND	Choose a course depending on your objective	Average length
EVERYTHING THERE IS TO KNOW ABOUT AI		1h30
• How to create v • The lifecycle of v • The career persp • The state of the • How AI will transf • The manager v4.0 • The AI home for all • Take your marketing • The innovation in the	o artificial intelligence value from data a data projet vectives and how to make money in Al? art of chatbots orm your company ! g plan to the next level with Al! e healthcare industry thanks to Al! roject: The legal challenge	P. 10 P. 10 P. 11 P. 11 P. 12 P. 12 P. 12 P. 13

DISCOVER	Choose a course depending on your objective	Average length
THE SUPER POWERS OF AI		0,5 to 1 day
 Introduction t Deep learning w Stats to explor Deep learning fro Create a chatbot Design an Al solut Understand the A 	ficial intelligence o Data Science vith TensorFlow or and analyse data orm scratch t with Dialogflow tion for your company I ecosystem and integrate Al into your app ake video with Deep Face Lab	



... EXPERIENCE AI YOUR WAY!

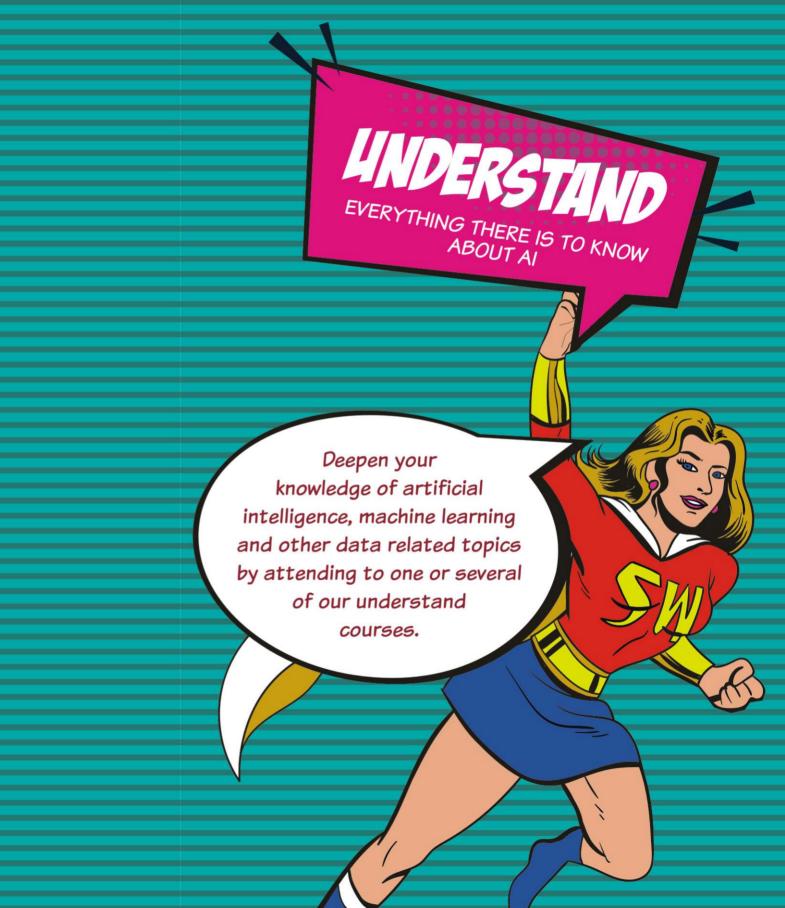
	choose a course depending on your objective	length
НО	N TO BECOME AN AI MASTER	1 to 5 da
	COMPUTER VISION	P
	Code an Al that recognizes fashion products	
•	Code an Al capable of doing facial recognition	
0	Code an Al able to detect and segmentate objects in a picture	
0	Code an Al that detects objects in real time	
0	Code an Al capable of driving a toy car	
•	Code an Al capable of applying art styles to a picture	
9	Code an app capable of generating deep fakes	
9	The second secon	
9	NATURAL LANGUAGE PROCESSING (NLP)	
1	Code an Al capable of understanding texts	
1	Code an Al capable of generating texts	
1	Code a chatbot with TensorFlow	P. 20
	SIGNAL PROCESSING	P. 29
	• Code an Al able to recognize your commands	P. 29
	Code an Al to recognize your voice	P. 30
	Code a voice to text app	P. 30
•	Code a text to voice app	P. 31
•	Code a music generation Al	P. 31
R	OBOTICS	P 32
	Build a robot with Arduino	
	Build a robot with Raspberry Pi	
	Build an object tracking robot	
• [Dulla an object tracking robot	
1	DEVELOP YOUR DATA SCIENCE SKILLS	P. 33
. [ata manipulation and linear algebra with Python	P. 33
• N	leb scraping, forms and data mining	P. 34
D	evops for Data Science	P. 34
D.	ata visualisation	P. 35
Da	ata preparation and feature engineering	P. 35
lm	plementing a machine learning model as an API	P. 36
Ma	achine learning on GPU and TPU	P. 36
Un	derstand AI research papers	P. 37
		002000000

... EXPERIENCE AI YOUR WAY! /

GET IN CONTACT!

10-	Choose a course depending on your objective	Average length
HOW TO BECOME AN AI MASTER		1 to 4 days
LEARN TO CODE THE A		B 40
	ne learning	
	ne learning	
	e learning	
* 1. * 1. 1. * 1. 1. * 1. * 1. 1. * 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	ne learning	
Pytorch		P. 42
 R for machine learn 	iing	P. 43
MASTER THE TOOLS OF	DIE TRACE	
THE PERSON AND THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSO		
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	Google Cloud Platform	
	AWS	
	Microsoft Azure	
Machine learning on I	ВМ	P. 47
USTOMIZE (=		
ND DATA SCIENCE - COURSES TO YOUR PROGRAM	8 hours to 6 mont	hs or 1 year
Tailor-made courses f	or Schools, Universities and Organizations	P. 50
WNOWITE Y INTERPRISE AT 10 YOUR BUSINESS		
· 1 up to 4 steps to tran	sform your business with Al	P. 52



INTRODUCTION TO ARTIFICIAL INTELLIGENCE



Artificial intelligence... you may have already heard about it and you probably have some ideas of what it is, how does it work and what to do with it. But are you really sure you know about this topic? Join this course to broaden your perspective and have a better understanding of Al.



Course

Ouration: 1h30

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Data has been described as the "new oil" of this century and many organizations are currently asking the question "how to create value from my data"? In this course, we will explain with real case scenarios, how to transform raw data into powerful insights and tools that can help your company gain in competitiveness.

HOW TO CREATE VALUE FROM DATA

Course

Duration: 1h30

THE LIFECYCLE OF A DATA PROJET

Course

Ouration: 1h30



Learn how to structure a data science project from scratch. From asking the right questions to collecting, cleaning the data and getting useful insights, we share with you the best practices we have gained from our experiences and we share the tools we use to gain time and be more competitive.



Al creates different jobs and careers. From researchers to data scientists, machine learning developers and data engineers and even non-technical folk have the opportunity to make money with Al. This course explains the different career perspectives and ways in which YOU can make money with artificial intelligence.

THE CAREER PERSPECTIVES AND HOW TO MAKE MONEY IN AI?

Course

Ouration: 1h00

THE STATE OF THE ART OF CHATBOTS

Course



Ouration : 1h30



Chatbots are becoming a hot topic nowadays. They are used by many organizations around the world. especially to automate repetitive discussions, such as technical support, pre sales questions and HR enquiries. Learn what are chatbots, how do they work and know how to compare the current solutions in the market.



Artificial intelligence already has a profound impact on our society and how we live and work. This course will explain how AI is disrupting in all fields and how YOUR company will need to adapt it if it wants to survive.

HOW AI WILL TRANSFORM YOUR COMPANY.

Course



Ouration : 1h30



THE MANAGER 14.0



Learn how to harness the power of AI to your advantage and understand how artificial intelligence affects organisations and managers in the era of the 4th industrial revolution.

Course





Learn how to power your home with Al for a very low budget. Understand the offer of smart home vendors, the market players and the ecosystem by taking your house to the next level and giving it Al powers!

THE AI HOME FOR ALL!

Course



Duration: 1h00

TAKE YOUR MARKETING PLAN TO THE Next Level With A!!



Course

Ouration: 1h00

Learn how to use Al to your advantage and how to use it to do better marketing. Be inspired from real use case scenarios and discover all the potential of Al at your fingertips! From automated translation, to personalized recommendations and chatbots, put artificial intelligence at the service of your marketing plan.

The nature of medical data requires professionals to collect it and handle it with extra care. Discover how health professionals and companies all around the world are innovating and adapting to the future, thanks to artificial intelligence. From cancer detection to recent advances in radiology and personalized treatment, learn how Al shapes the future of our health.

THE INNOVATION IN THE HEALTHCARE INDUSTRY THANKS TO AL!

Course



Ouration : 1h30

THE INNOVATION IN THE SECURITY INDUSTRY THANKS TO A!!



Course



Duration: 1h30

Discover how the security industry is currently being challenged and transformed by artificial intelligence. From automatic theft detection, to anomaly tagging in video footages and searching for missing persons. Artificial intelligence will help us feel more secure, but at what cost?

At a time of the development of artificial intelligence, it sometimes seems dfficult to reconcile data protection and big data. What data can we use? How to comply with the regulations? What are the risks?

USING DATA IN AN AI PROJECT : THE LEGAL CHALLENGE





Ouration: 1h30







Learn about artificial intelligence, machine learning and other data related topics, by participating to our discovery courses.



DISCOVER ARTIFICIAL INTELLIGENCE



Learning path

- DURATION: 8 hours
- ✓ PREREQUISITES: None
- LEVEL: Beginner



A No coding required

One day to discover artificial intelligence, how it works and how it is used by companies around the world. Build your own artificial intelligence, capable of classifying images and discover the amazing career perspectives in this field.

TIRCH AUDIENCE

- O Entrepreneurs and business managers who wish to have a better understanding of Al.
- O Students and professionals in search of career perspectives.
- O Curious people in search of a new challenge.

INTRODUCTION TO DATA SCIENCE



Learning path

- DURATION: 8 hours
- ✓ PREREQUISITES: None
- * LEVEL: Beginner



A No coding required

From formulating the right questions, to collecting the right data, analysing it and using it to make data driven decisions... understand in detail what data science is, how it is used around the world and what it takes to become a professional in this promising new field.

11/267 AUDIENCE

- O Entrepreneurs and business managers who wish to have a better understanding of Al.
- O Students and professionals in search of career perspectives.
- O Curious people in search of a new challenge.



Discover the advanced technique of Deep Learning and build your own deep neural network to tackle a real world data science problem, by using Tensorflow, the most popular machine learning library in the world!

DEEP LEARNING WITH TENSORFLOW

Learning path



PREREQUISITES: None ★ LEVEL: Beginner

TARGET **AUDIENCE**

• All professionals with basic software development basis.



STATS TO EXPLORE AND ANALYSE DATA

- O Learn to use the right statistical techniques to deeply explore and analyse data.
- O Learn how to pretty visualise your data and make it tell a story.
- O Learn how to quickly find the hidden insights and trends in your raw data.

Learning path



DURATION: 8 hours



* LEVEL: Beginner

TIRES **AUDIENCE**

- O Entrepreneurs and business managers who wish to have a better understanding of Al.
- O Students and professionals in search of career perspectives.
- O Curious people in search of a new challenge.

DEEP LEARNING FROM SCRATCH



Learning path **DURATION:** 8 hours

Get your hands dirty by learning how deep learning works "under the hood" and go beyond your limits by coding your own deep learning framework from scratch in python!

✓ PREREQUISITES: Deep Learning with TensorFlow ★ LEVEL: Intermediate

11/367

O Professionals with basic machine learning skills and knowledge

CREATE A CHATBOT WITH DIALOGFLOW



Learning path

- DURATION: 8 hours
- ✓ PREREQUISITES: None
- * LEVEL: Beginner



A No coding required

Learn about chatbots, how they work and how they revolutionize customer service and support teams. Build, train and distribute your own chatbot by using DialogFlow, the world's most popular chatbot platform in the world.

TIRCH AUDIENCE

- O Entrepreneurs and business managers who wish to have a better understanding of Al.
- O Students and professionals in search of career perspectives.
- O Curious people in search of a new challenge.



Apply the Design Thinking methodology to identify user insights (internal or external) and to prototype an Al solution that is desirable, feasible and viable. At the end of the workshop you'll have aligned your team on an Al solution to develop and you'll have an understanding of how to structure the development and how much would it cost to launch it.

DESIGN AN AI SOLUTION FOR YOUR COMPANY

Learning path



DURATION: 8 hours

PREREQUISITES:





A No coding required

TIRCA **AUDIENCE**

O Cross functional team of 5 persons minimum, from an established company or a startup, who wish to have a better understanding of Al and identify a suitable project for its business.

Learn how to inject Al super powers into an app by using machine learning as a service apis from the world's leading vendors (AWS, Google, Microsoft, IBM, etc) and get a broader understanding of the Alecosystem.

Learning path

DURATION: 4 hours

✓ PREREQUISITES: Software development basis in any programming language. Understand functions. variables, loops, etc.

★ LEVEL: Beginner

TIRCA **AUDIENCE**

- O Entrepreneurs and business managers who wish to have a better understanding of Al.
- All professionals with basic software development basis.



Learning path

DURATION: 8 hours





Have you heard about deep fakes? It is the new Al trend and it involves replacing the face of a person in a video with another person's face. Learn how this technology works and what you can (and shouldn't) do with it. To use responsibly.



- O Artists
- O Students and professionals in search of career perspectives
- O Curious people in search of a new challenge.



We believe that practical knowledge is more useful than theoretical knowledge. We therefore propose to learn about artificial intelligence topics by building real world apps.

These projects can also be used and showcased as part of a portfolio so that you can have something concrete to showcase your skills to an employer.



MACHINE LEARNING WORKSHOPS

STRUCTURED DATA

CODE A STOCK EXCHANGE AI BROKER

Learning path



DURATION: 15 hours



PREREQUISITES: Deep learning with TensorFlow



LEVEL: Beginner



Feed an Al with stock exchange data and ask it to make predictions on your behalf! What stocks should you buy and when? How to become a millionaire fast? Learn the basics of supervised learning and regression by building a real life stock exchange Al agent that works for you.

TARGET **AUDIENCE**

• All professionals with basic software development basis.



Feed an Al with real estate data and ask it to sort out the good from the bad housing offers in the market. Learn the basics of supervised learning and classification while teaching an Al to find you the best property in town!

CODE A REAL ESTATE AI AGENT

Learning path



DURATION: 15 hours



PREREQUISITES: Deep learning with TensorFlow



LEVEL: Beginner

TARGET **AUDIENCE**

O All professionals with basic software development basis.

Find patterns and structures hidden in the data to make data driven decisions. Learn the basics of unsupervised learning and discover the k-means algorithm applying it to customer data.

CODE AN AI CAPABLE OF SEGMENTING YOUR CUSTOMERS

Learning path



DURATION: 15 hours



PREREQUISITES: Deep learning with TensorFlow



LEVEL: Beginner



• All professionals with basic software development basis.

CODE AN AI CAPABLE OF PLAYING VIDEO GAMES

Learning path



DURATION: 15 hours



PREREQUISITES: Deep learning with TensorFlow



* LEVEL: Advanced



Learn the basis of reinforcement learning by teaching an Al to play video games and get good at it.



CODE AN ETHICAL AI FREE OF SEXISM AND DISCRIMINATION

Learning path



DURATION: 15 hours



PREREQUISITES: Deep learning with TensorFlow





Discrimination is a real problem in Al, due to the fact that data is historically biased. Learn how to tackle sexism and discrimination problems in machine learning algorithms with dimensionality reduction techniques (DimR) and why it matters to build ethical Al.

TARGET AUDIENCE

O Professionals with basic machine learning skills and knowledge

COMPUTER VISION



Take your first steps in the amazing field of computer vision and discover the algorithms that allow a machine to classify images. Learn about convolutional neural networks and teach a machine to "see" things!

CODE AN AI THAT RECOGNIZES FASHION PRODUCTS

Learning path



DURATION: 15 hours



PREREQUISITES: Deep learning with TensorFlow

* * LEVEL: Intermediate

TIKET **JUDIENCE**

O Professionals with basic machine learning skills and knowledge

EB

Learn the differences between face verification and face recognition and build your own facial recognition technology and teach it how to recognize you.

CODE AN AI CAPABLE OF DOING FACIAL RECOGNITION

Learning path



DURATION: 15 hours



PREREQUISITES: Deep learning with TensorFlow

* LEVEL: Intermediate



O Professionals with basic machine learning skills and knowledge

CODE AN AI ABLE TO DETECT AND SEGMENTATE OBJECTS IN A PICTURE

Learning path



DURATION: 15 hours



PREREQUISITES: Build an Al that recognizes fashion products

★ ★ LEVEL: Advanced



Grow your computer vision skills and learn how to detect objects and segments inside an image.



CODE AN AI THAT **DETECTS OBJECTS IN** REAL TIME



Learning path

OURATION: 15 hours

PREREQUISITES: Build an Al ✓ able to detect and segmentate objects in a picture

* LEVEL: Advanced

Grow your computer vision skills and learn how to detect objects in real time inside an image by using the YOLO (You only look once) algorithm.

TIRGAT AUDIENCE

O Professionals with basic machine learning skills and knowledge

CODE AN AI CAPABLE OF DRIVING A TOY CAR



Learn the basics of autonomous driving with supervised learning. Collect the data, train your model and put your machine learning skills to the test

Learning path

DURATION: 15 hours

PREREQUISITES: Build an Al that detects objects in real

★ LEVEL: Advanced

AUDIENCE

TARGET O Professionals with basic machine learning skills and knowledge

CODE AN AI CAPABLE OF APPLYING ART STYLES TO A PICTURE



Learn the basis of generative adversarial networks (GANs) by teaching a machine a particular art style (Van Gogh, Picasso, Rembrandt, etc) and making it "transfer" the style to another picture by using neural style transfer techniques.

Learning path

DURATION: 15 hours

PREREQUISITES: Deep learning with TensorFlow

* * LEVEL: Intermediate



O Professionals with basic machine learning skills and knowledge

CODE AN APP CAPABLE OF GENERATING DEEP FAKES

Learning path



DURATION: 15 hours



PREREQUISITES: Code an Al capable of applying art styles to a picture

LEVEL: Advanced



Use generative adversarial networks to build an app capable of generating deep fake videos.



NATURAL LANGUAGE PROCESSING (NLP)

CODE AN AI CAPABLE OF UNDERSTANDING TEXTS

Learning path



DURATION: 15 hours



PREREQUISITES: Deep learning with TensorFlow





Learn the basis of natural language understanding (NLU) by teaching a machine how to process text and understand human language. From entity extraction to sentiment analysis, take a dive in one of the most promising fields of machine learning!

TARGET AUDIENCE

O Professionals with basic machine learning skills and knowledge

Try and defeat the Turing test !! Learn the basis of natural language generation (NLG) by teaching a machine how to generate texts from structured data and how to generate text in a "human" way.

CODE AN AI CAPABLE OF GENERATING TEXTS

Learning path



DURATION: 15 hours



PREREQUISITES: Build an Al capable of understanding

* LEVEL: Advanced

TIKGAT **AUDIENCE**

O Professionals with basic machine learning skills and knowledge

Learn how chatbots work under the hood and build your own chatbot solution in python, by using tensorflow, the world's most popular machine learning library.

CODE A CHATBOT WITH TENSORFLOW

Learning path



DURATION: 15 hours



PREREQUISITES: Build an Al capable of generating texts



* LEVEL: Advanced



O Professionals with basic machine learning skills and knowledge

SIGNAL PROCESSING

CODE AN AI ABLE TO RECOGNIZE YOUR COMMANDS

Learning path



DURATION: 15 hours



PREREQUISITES: Deep Learning with TensorFlow



* * LEVEL: Intermediate



Dive into the amazing field of voice recognition and code an app capable of recognizing and reacting to a keyword or phrase, such as "Ok Google", "Hey Alexa", or any other of vour choice.

AUDIENCE

CODE AN AI TO RECOGNIZE YOUR VOICE

Learning path



DURATION: 15 hours



PREREQUISITES: Deep learning with TensorFlow





Are you a security freak? Teach a machine to recognize your own voice and to only listen to your commands.

TARGET AUDIENCE

O Professionals with basic machine learning skills and knowledge

CODE A VOICE TO TEXT APP



Code an algorithm capable of understanding a voice command and transforming it into text.

Learning path



DURATION: 15 hours



PREREQUISITES: Deep Learning with TensorFlow

* LEVEL: Intermediate

JUDIENCE

TARGET O Professionals with basic machine learning skills and knowledge

CODE A TEXT TO VOICE APP



Code an algorithm capable of generating an audio signal from a text input.

Learning path



DURATION: 15 hours



PREREQUISITES: Deep Learning with TensorFlow



★ LEVEL: Advanced

TARGET AUDIENCE

O Professionals with basic machine learning skills and knowledge

CODE A MUSIC GENERATION A

Learning path



DURATION: 15 hours



PREREQUISITES: Deep Learning with TensorFlow



* LEVEL: Advanced



Learn about recurrent neural networks (RNN) and how the temporal dimension of data affects its meaning by teaching an Al what is jazz. Use your Al to generate unique songs for you, based on what it learned.

TARGET AUDIENCE

ROBOTICS

BUILD A ROBOT WITH ARDUINO

Learning path

- **DURATION: 8 hours**
- ✓ PREREQUISITES: None
- ★ LEVEL: Beginner



Learn the basics of robotics with Arduino and build a robot capable of reacting to your input.



- Entrepreneurs and business managers who wish to have a better understanding of Al.
- O Students and professionals in search of career perspectives.
- O Curious people in search of a new challenge.

Learn the basics of robotics with Raspberry Pi and teach a robot how to make more advanced actions.

BUILD A ROBOT WITH RASPBERRY PI

Learning path

- OURATION: 8 hours
- ✓ PREREQUISITES: None
- ★ LEVEL: Beginner

TARGET AUDIENCE

- Entrepreneurs and business managers who wish to have a better understanding of Al.
- Students and professionals in search of career perspectives.
- Curious people in search of a new challenge.

BUILD AN OBJECT TRACKING ROBOT



Teach a robot how to identify, track and pick up an object using its camera.



DURATION: 15 hours

PREREQUISITES: Build a robot with Raspberry Pi Code an Al able to detect and segmentate objects in a picture

★ ★ LEVEL: Advanced

TARGET AUDIENCE

 Professionals with basic machine learning skills and knowledge

DEVELOP YOUR DATA SCIENCE SKILLS

DATA MANIPULATION AND LINEAR ALGEBRA WITH PYTHON

Learning path

- OURATION: 8 hours
- ✓ PREREQUISITES: None★ LEVEL: Beginner

Learn the basis of linear algebra and how to manipulate data in Python. This is one of the most fundamental skills data scientists need in the workplace.

TARGET AUDIENCE

• All professionals with basic software development basis.

WEB SCRAPING, FORMS AND DATA MINING



Learning path



DURATION: 15 hours



PREREQUISITES: None



LEVEL: Beginner

Learn how to create your own datasets from scratch by creating forms, scraping data from the web and storing it in SQL databases. This skill is highly used by data scientists and engineers all around the world and it is necessary for any data science job.

11.867 **AUDIENCE**

• All professionals with basic software development basis.



A good data scientiss does not only know how to train a machine learning model. He/she should also be able to take it to production like a pro! From containerization to version control and orchestration, learn DevOps skills in order to share your work with the wor!

DEVOPS FOR DATA SCIENCE

Learning path



DURATION: 30 hours



PREREQUISITES: None

* LEVEL: Beginner

TIRGE AUDIENCE

- O Data Scientists
- Machine Learning Professionals
- O Software engineers

DATA VISUALISATION



Before doing any machine learning or getting started with any data project, it is always a good idea to visualize and study your data. Learn how to use the existing tools to visualize data and also create your own data visualization tools!

Learning path



OURATION: 15 hours



✓ PREREQUISITES: None



LEVEL: Beginner



• All professionals with basic software development basis.

DATA PREPARATION AND FEATURE ENGINEERING

Learning path



OURATION: 15 hours



✓ PREREQUISITES: None



★ LEVEL: Beginner



A machine learning algorithm is only as good as its training variables are. Learn how to clean and prepare the data, but also to choose which variables to use in your algorithm.

O All professionals with basic software development basis.

IMPLEMENTING A MACHINE LEARNING MODEL AS AN API

Learning path



DURATION: 8 hours



PREREQUISITES: None



★ LEVEL: Beginner

Go from idea to product and learn how to make your machine learning model available for others by implementing it as an

TARGET AUDIENCE

O Professionals with basic machine learning skills and knowledge.

MACHINE LEARNING ON GPU AND TPU



Go faster in your machine learning projects by harnessing the power of parallel computing. Learn how to train your machine learning models on a GPU or a TPU.

Learning path



DURATION: 8 hours



✓ PREREQUISITES: Deep learning TensorFlow

★★★ LEVEL: Intermediate

TARGET AUDIENCE

O Professionals with basic machine learning skills and knowledge



Al researchers constantly push the boundaries of science by publishing the results of their research as academic papers. There are very interesting publications every day that will ultimately impact the way we use Al. Learn how to understand, decode and implement Al research publications.

UNDERSTAND AI RESEARCH PAPERS

Learning path



OURATION: 15 hours



✓ PREREQUISITES: None

★ LEVEL: Advanced





LEARN TO CODE THE AI

PYTHON FOR MACHINE LEARNING

Learning path

- - DURATION: 15 hours
- PREREQUISITES: None
- * LEVEL: Beginner

Learn how to use Python to perform machine learning tasks.

TIRCH AUDIENCE

O Professionals with basic machine learning skills and knowledge.



Learn how to use pandas, the most popular data analysis library in python, to perform machine learning tasks.

Learning path

- (v)
 - DURATION: 8 hours
- PREREQUISITES: Python for machine learning
- * LEVEL: Beginner

TARGET AUDIENCE

O Professionals with basic machine learning skills and knowledge.

NUMPY FOR MACHINE LEARNING

Learn how to use numpy, the most popular math library in python, used for manipulation of multi-dimensional arrays and matrices.

Learning path

- DURATION: 8 hours
- PREREQUISITES: Python for machine learning
- LEVEL: Beginner



O Professionals with basic machine learning skills and knowledge.

SKLEARN FOR MACHINE LEARNING

Learning path

- DURATION: 8 hours
- PREREQUISITES: Python for machine learning
- LEVEL: Beginner

Learn how to use Sklearn, a very popular machine library in python.

11.867 AUDIENCE

TENSORFLOW



Learning path

DURATION: 15 hours

PREREQUISITES: Python for machine learning

* LEVEL: Beginner

Learn the ins and outs of TensorFlow, the most popular machine learning library in the world, originally developed by Google and now open source and available to all.



O Professionals with basic machine learning skills and knowledge.



Learn the ins and outs of Pytorch, one of the most popular machine learning libraries in the world, originally developed by facebook and now open source and available to all.

Learning path

(v)

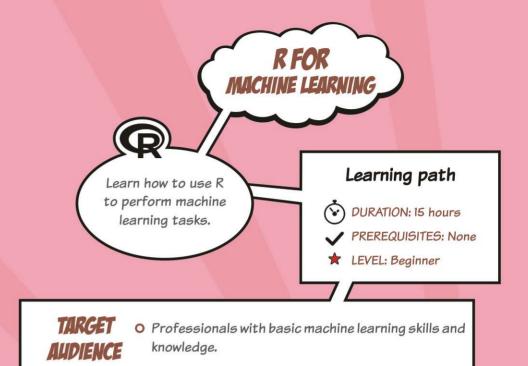
DURATION: 15 hours

PREREQUISITES: Python for machine learning

LEVEL: Beginner

TIRCAT AUDIENCE

O Professionals with basic machine learning skills and knowledge.







Learning path



DURATION: 15 hours



PREREQUISITES: None

computing frameworks

Learn how to use of the

world's most used cluster

TARGA AUDIENCE

AZURE ML STUDIO



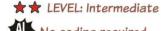
Learning path



DURATION: 15 hours



PREREQUISITES: None

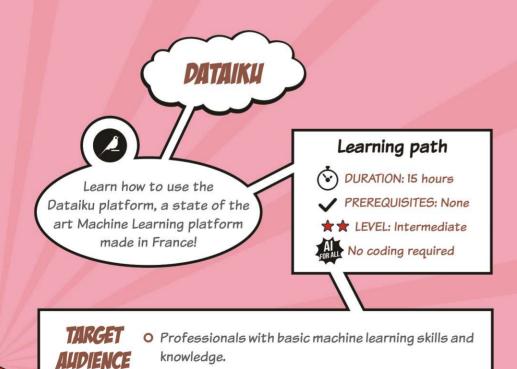


A No coding required

Learn how to use Azure ML Studio, a state of the art platform from Microsoft, that allows you to do machine learning without any coding skills.

11/367 AUDIENCE

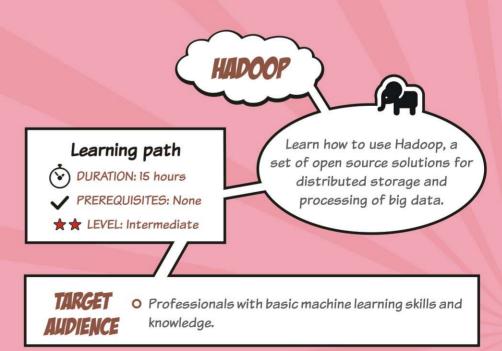
O Professionals with basic machine learning skills and knowledge.





TARGET **AUDIENCE**

- O Entrepreneurs and business managers who wish to have a better understanding of Al.
- O Students and professionals in search of career perspectives.
- O Curious people in search of a new challenge.



MACHINE LEARNING ON GOOGLE CLOUD PLATFORM



Learning path

- - DURATION: 30 hours
- PREREQUISITES: None
- * LEVEL: Intermediate

Learn how to use all the machine learning tools and infrastructure proposed by Google Cloud.

TIRGET AUDIENCE

O Professionals with basic devops skills and machine learning knowledge.

MACHINE LEARNING ON AWS

aws

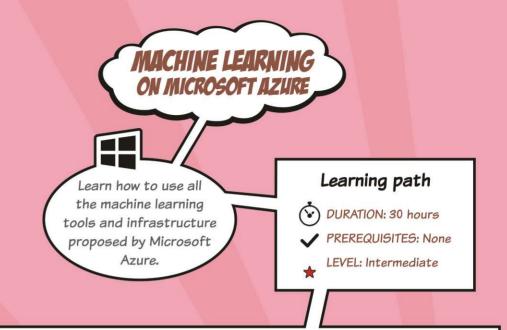
Learn how to use all the machine learning tools and infrastructure proposed by Amazon Web Services.

Learning path

- - DURATION: 30 hours
- ✓ PREREQUISITES: None
- * LEVEL: Intermediate

TARGET AUDIENCE

O Professionals with basic devops skills and machine learning knowledge.



TARGET **AUDIENCE**

O Professionals with basic devops skills and machine learning knowledge.

MACHINE LEARNING

Learning path



DURATION: 30 hours



PREREQUISITES: None * LEVEL: Intermediate

Learn how to use all the machine learning tools and infrastructure proposed by IBM.



O Professionals with basic devops skills and machine learning knowledge.



TAILOR-MADE COURSES

Our teaching philosophy can be summarized in three principles:

Learn by doing.

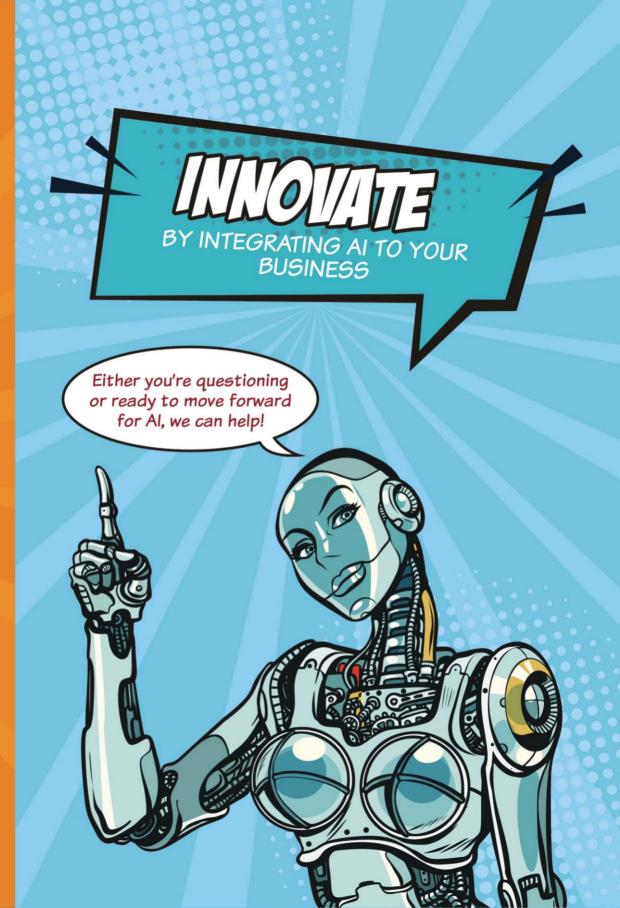
Practice on real case scenarios.

5 Don't reinvent the wheel.

Our courses focus on practical implementations, as learners are presented with real life problems they can only solve with Al. Knowledge of the topics is not acquired on a theoretical level, but because learners need it in order to solve the use cases presented to them during the course.

The initial problems presented can be solved with existing tools (highly abstract, but with little flexibility) and as the problems get more complex, the learners need to dive deeper in the study of Al and acquire different skills to solve the use cases and pass the course.

All our courses can be tailored to fit your specific needs (from 8 hours to 6 months or even a full year) and they can be taught to students with our without prior software development skills.



HOW WILL ARTIFICIAL INTELLIGENCE TRANSFORM YOUR BUSINESS?

Either you wonder or are convinced about integrating Alto your business, we can advise you!

Depending on your maturity about Al we can accompany you in lup to 4 steps.



your team to AI, inspire with use cases and define an AI project to start



DESIGN

a user centric AI solution thanks to a Design Thinking approach, prototype it and test with users



your team to develop skills to be able to manage an Al project (e.g. Data Science, Machine Learning...)



DEVELOP

the AI that will transform your Organization



Draft here the superpower that you want to develop with artificial intelligence
Picture it with your Smartphone and email it by scanning

this QR-Code



GET IN CONTACT WITH US!

Our activities are based in Paris (France), under the Brand "IA C'EST MON DADA", which is a local translation of "AI IS MY FRIEND".



Whatever you need, either to join a course, to customize contents or just to get details, we'll be pleased to answer it!

Contact us at info@iamondada.com

... AND FOLLOW OUR AGENDA

Our mission being to democratize AI for ALL, we welcome public audience to attend to our various events and trainings, in our venue or online.

You can check our agenda on:



www.aimyfriend.com / www.iamondada.com



linkedin.com/company/ia-c-est-mon-dada

