

Internship Program

Artificial Intelligence in Design



tech global
university

Internship Program
Artificial Intelligence in Design

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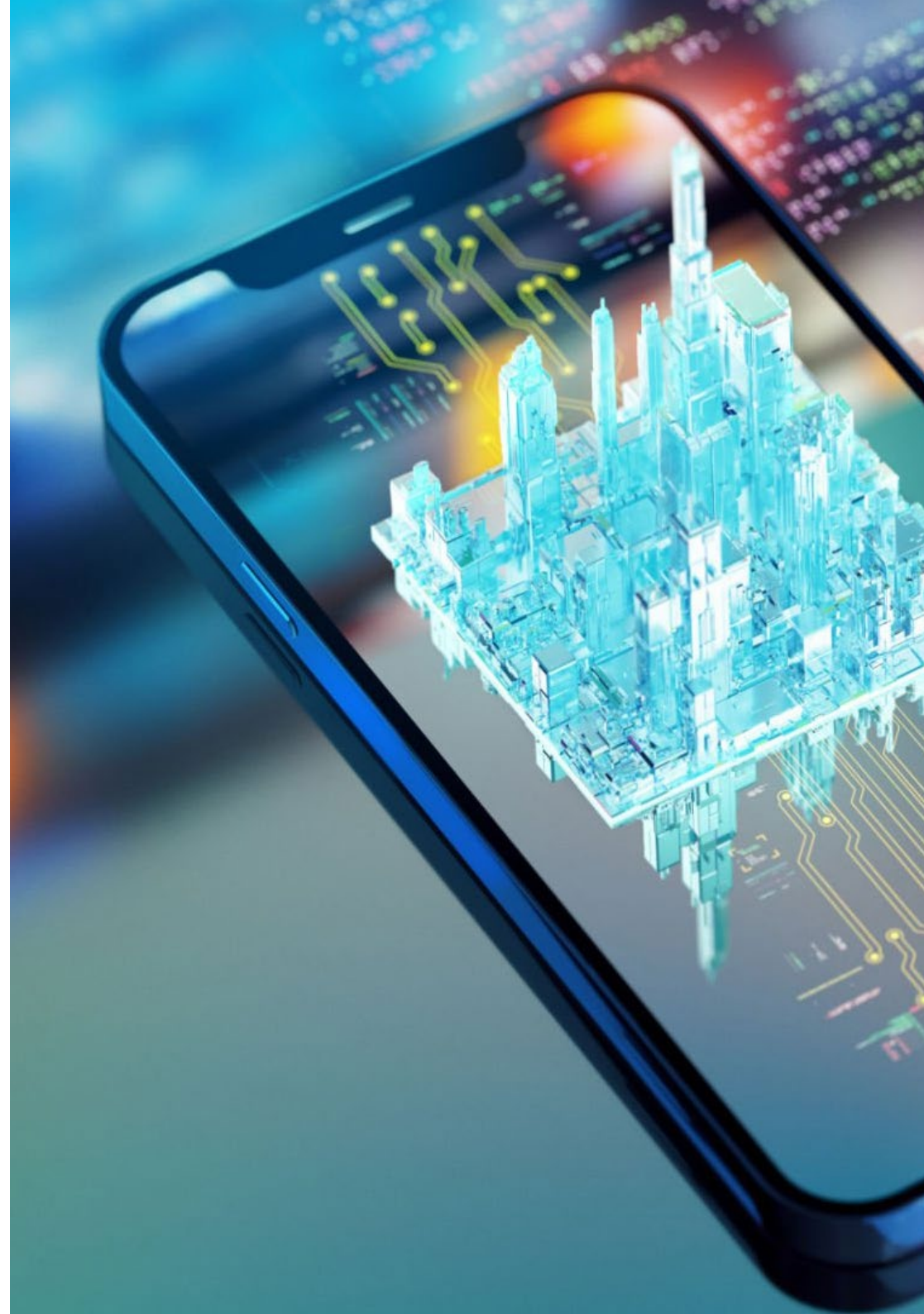
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01 Introduction

The use of Artificial Intelligence (AI) has revolutionized the Design industry, providing innovative tools and expanded capabilities to create and improve works. In fact, AI systems can analyze large amounts of data to identify emerging design trends, helping designers stay current and anticipate market demands. Therefore, integrating AI into the Design process not only increases efficiency, but also stimulates creativity and innovation. For this reason, TECH has created this program, in which students will be integrated for 3 weeks in a team versed in Artificial Intelligence applied to Design, getting up to date with the latest developments and technologies available.

“

Thanks to this Internship Program, you will use cutting-edge tools and algorithms to perform predictive analytics, product customization and task automation in Design”



Artificial Intelligence (AI) is radically transforming the field of Design, providing innovative and efficient tools to materialize creative ideas. In fact, AI enables designers to automate repetitive tasks, such as generating preliminary designs, optimizing manufacturing processes and customizing products according to user preferences. In addition, by analyzing large volumes of data and identifying patterns, AI provides valuable insights that can inform and enrich the creative process. In this scenario, TECH has developed a program that consists of a 120-hour stay in a reference entity in the field of Design.

In 3 weeks, the graduates will be part of a team of high-level specialists, with whom they will work actively in the creation of creative projects and products. In this way, they will develop advanced skills to handle tools such as TensorFlow, Deep Dream Generator or Fotor, optimizing their daily practice and making the most of the job opportunities offered by this growing industry.

Likewise, during the on-site stay, the graduates will have the support of an assistant tutor, who will be in charge of making sure that the requirements for which this Internship Program was designed are met. At the same time, they will resolve any doubts that may arise during the academic itinerary and will provide personalized advice to students, according to their needs. Undoubtedly, this is an ideal learning proposal for designers who wish to acquire new skills to carry out highly innovative and creative proposals.

02

Why Study an Internship Program?

Artificial Intelligence is transforming several industries, among which Design stands out. For this reason, there is a growing demand for professionals who understand how to apply these tools effectively in the design of digital products and services. Given this reality, TECH has developed a program that will allow graduates to enter an institution of reference, where they can put into practice the latest techniques in the field of Artificial Intelligence applied to Design. During 3 intensive weeks, students will be integrated into a multidisciplinary work team, where they will acquire skills to handle tools such as TensorFlow.



This Internship Program will expand your job opportunities and will enable you to lead the change towards the convergence between Design and Technology"

1. Updating from the latest technology available

Technology plays a key role in the integration of Artificial Intelligence in Design by providing designers with tools to improve product creation. An example of this is Machine Learning algorithms or Neural Networks. Thanks to this Internship Program, students will enter a prestigious company that uses the most sophisticated technological systems to guarantee the correct performance of its activities.

2. Gaining in-depth knowledge from the experience of top specialists

Throughout the entire practical period, graduates will be supported by a well-versed team of professionals. These experts will provide them with the latest trends in subjects such as Data Mining, Deep Computer Vision or Natural Language Processing. In this way, students will acquire advanced skills to optimize their daily practice.

3. Entering first-class professional environments

TECH carefully selects the centers available for Internship Programs. As a result, graduates are guaranteed access to a prestigious institution in the field of Artificial Intelligence applied to Design. Thanks to this, they will be able to embark on an academic experience that will significantly broaden their professional horizons.

4. Putting the acquired knowledge into daily practice from the very first moment

TECH offers students a disruptive learning model 100% online, to acquire the necessary skills to successfully develop in the exercise of their profession. During 3 weeks, graduates will join a renowned institution to participate in the projects in which they are involved.

5. Expanding the boundaries of knowledge

By researching and developing new techniques and algorithms that integrate Artificial Intelligence into the design process, a vast horizon of opportunities opens up for the creation of innovative and personalized products. Moreover, this approach not only promotes efficiency and optimization in the designer's work, but also fosters multidisciplinary collaboration and knowledge sharing between different fields, thus contributing to the continuous evolution of both disciplines.



You will have full practical immersion at the center of your choice"

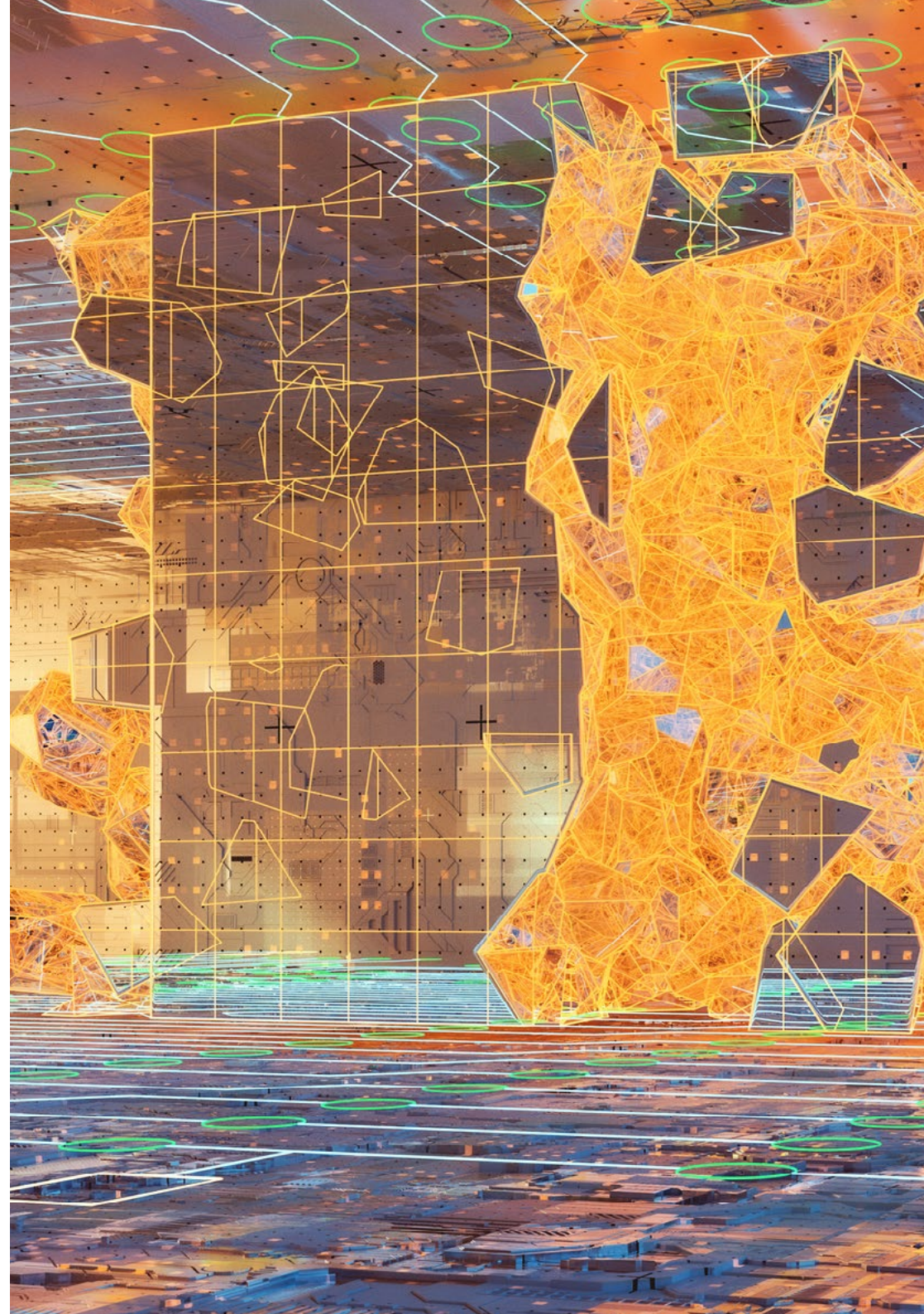
03 Objectives

The objectives of this Internship Program are multiple and range from the acquisition of technical skills to the understanding of the underlying principles of Artificial Intelligence applied to Design. In this way, designers will be specialized to effectively integrate AI tools and techniques into their creative process, allowing them to optimize the efficiency of their work, explore new design possibilities and develop innovative solutions. In addition, it will foster an understanding of how AI can impact user-centered design, enabling the creation of more personalized products tailored to individual needs.



General Objectives

- ◆ Understand the theoretical foundations of Artificial Intelligence.
- ◆ Study the different types of data and understand the data lifecycle
- ◆ Evaluate the crucial role of data in the development and implementation of AI solutions
- ◆ Delve into algorithms and complexity to solve specific problems
- ◆ Explore the theoretical basis of neural networks for Deep Learning development
- ◆ Analyze bio-inspired computing and its relevance in the development of intelligent systems
- ◆ Analyze current strategies of Artificial Intelligence in various fields, identifying opportunities and challenges.





- ◆ Develop skills to implement Artificial Intelligence tools in design projects, including automatic content generation, design optimization and pattern recognition.
- ◆ Apply collaborative tools, taking advantage of Artificial Intelligence to improve communication and efficiency in design teams.
- ◆ Understand the symbiosis between interactive design and Artificial Intelligence to optimize the user experience
- ◆ Develop skills in adaptive design, considering user behavior and applying advanced AI tools
- ◆ Understand the transformative role of Artificial Intelligence in design and manufacturing process innovation



You will gain the technical skills necessary to effectively integrate Artificial Intelligence into your creative process, taking full advantage of the available tools and algorithms"



Specific Objectives

- ♦ Analyze the historical evolution of Artificial Intelligence, from its beginnings to its current state, identifying key milestones and developments
- ♦ Understand the functioning of neural networks and their application in learning models in Artificial Intelligence
- ♦ Analyze the life cycle of data, from generation to disposal, identifying key stages
- ♦ Explore the initial stages of the data life cycle, highlighting the importance of data planning and structure
- ♦ Analyze supervised and unsupervised models, including methods and classification
- ♦ Use specific tools and best practices in data handling and processing, ensuring efficiency and quality in the implementation of Artificial Intelligence
- ♦ Master the techniques of statistical inference to understand and apply statistical methods in data mining
- ♦ Perform detailed exploratory analysis of data sets to identify relevant patterns, anomalies, and trends
- ♦ Introduce algorithm design strategies, providing a solid understanding of fundamental approaches to problem solving
- ♦ Analyze the efficiency and complexity of algorithms, applying analysis techniques to evaluate performance in terms of time and space





- ◆ Evaluate and compare different knowledge representations, integrating these to improve the efficiency and accuracy of intelligent systems
- ◆ Study clustering techniques to identify patterns and structures in unlabeled data sets
- ◆ Develop skills in adaptive design, considering user behavior and applying advanced AI tools
- ◆ Implement Transfer Learning as an advanced technique to improve model performance on specific tasks
- ◆ Implement mass customization strategies in production using Artificial Intelligence, tailoring products to individual needs.
- ◆ Apply microchip architecture optimization techniques using AI to improve both performance and efficiency

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You will lead the way in the ethical and responsible and responsible application of Artificial Intelligence in Design, thus contributing to the development of a more sustainable and equitable creative and technological environment"

04

Educational Plan

The Internship Program of this program in Artificial Intelligence in Design consists of a 3-week stay, from Monday to Friday, with 8 consecutive hours of practical training with an assistant specialist. This experience will allow graduates to access a real work scenario, next to a team of professionals of reference in this field.

In this program proposal, of a completely practical nature, the activities are aimed at developing and perfecting the necessary skills for the provision of Artificial Intelligence services in Design and are oriented towards specific training for the practice of the activity, in an environment of patient safety and high professional performance.

The students have an ideal opportunity to immerse themselves in the reality of the labor market. For this purpose, they will be provided with first class facilities, equipped with the necessary technological tools to carry out their work with maximum efficiency.

The practical education will be carried out with the active participation of the student performing the activities and procedures of each area of competence (learning to learn and learning to do), with the accompaniment and guidance of teachers and other training partners that facilitate teamwork and multidisciplinary integration as transversal competencies for of the Artificial Intelligence in Design praxis (learning to be and learning to relate).



The procedures described below will be the basis of the practical part of the program, and their implementation will be subject to the center’s own availability and workload, the proposed activities being the following:

Module	Practical Activity
AI Design Projects	Apply AI algorithms to generate preliminary designs
	Integrate AI systems into the design process to automate repetitive tasks
	Utilize AI tools to improve efficiency and quality of design projects
	Explore the use of neural networks for the creation of generative artwork
	Investigate and apply computer vision algorithms in graphic design and data visualization projects
Design and Creation of Products with AI	Use AI techniques to optimize manufacturing processes
	Customize products by applying AI to user preferences
	Develop AI algorithms for automatic creation of graphic products
	Implement AI systems for mass customization of products
	Use machine learning techniques to improve production efficiency
Data Analysis and Communication with AI	Analyze large volumes of data to identify patterns and trends in Design
	Implement AI systems to perform predictive analytics in the Design domain
	Employ machine learning algorithms to identify patterns in user behavior
	Develop Artificial Intelligence models for generating design recommendations
	Use Natural Language Processing techniques to improve communication with users
Developing AI Solutions	Collaborate with AI experts to develop innovative, user-centric solutions
	Explore new ways of approaching creative problems through the application of AI
	Participate in interdisciplinary projects combining Design with AI
	Contribute to the research and development of new techniques and applications of AI in Design
	Share knowledge and experiences on the integration of AI in design with the professional community

05 Where Can I Do the Internship Program?

TECH is firmly committed to offering top quality education within the reach of the majority of people. For this reason, it has broadened its academic horizons so that this Internship Program can be taught in various international centers. Undoubtedly, this is an ideal opportunity for graduates to grow professionally alongside the best specialists in the sector, in various institutions of reference.




You will carry out your practical stay in a highly prestigious institution, where you will have the support of true professionals in Artificial Intelligence"





The student will be able to do this program at the following centers:



Design

Ogilvy Barcelona

Country	City
Spain	Barcelona

Address: Calle Bolivia 68-70, 08018, Barcelona

Ogilvy is a pioneer in Pervasive Advertising, Marketing and Corporate Communications.

Related internship programs:

- Artificial Intelligence in Design
- Personal Brand Construction



Make the most of this opportunity to surround yourself with expert professionals and learn from their work methodology"

06

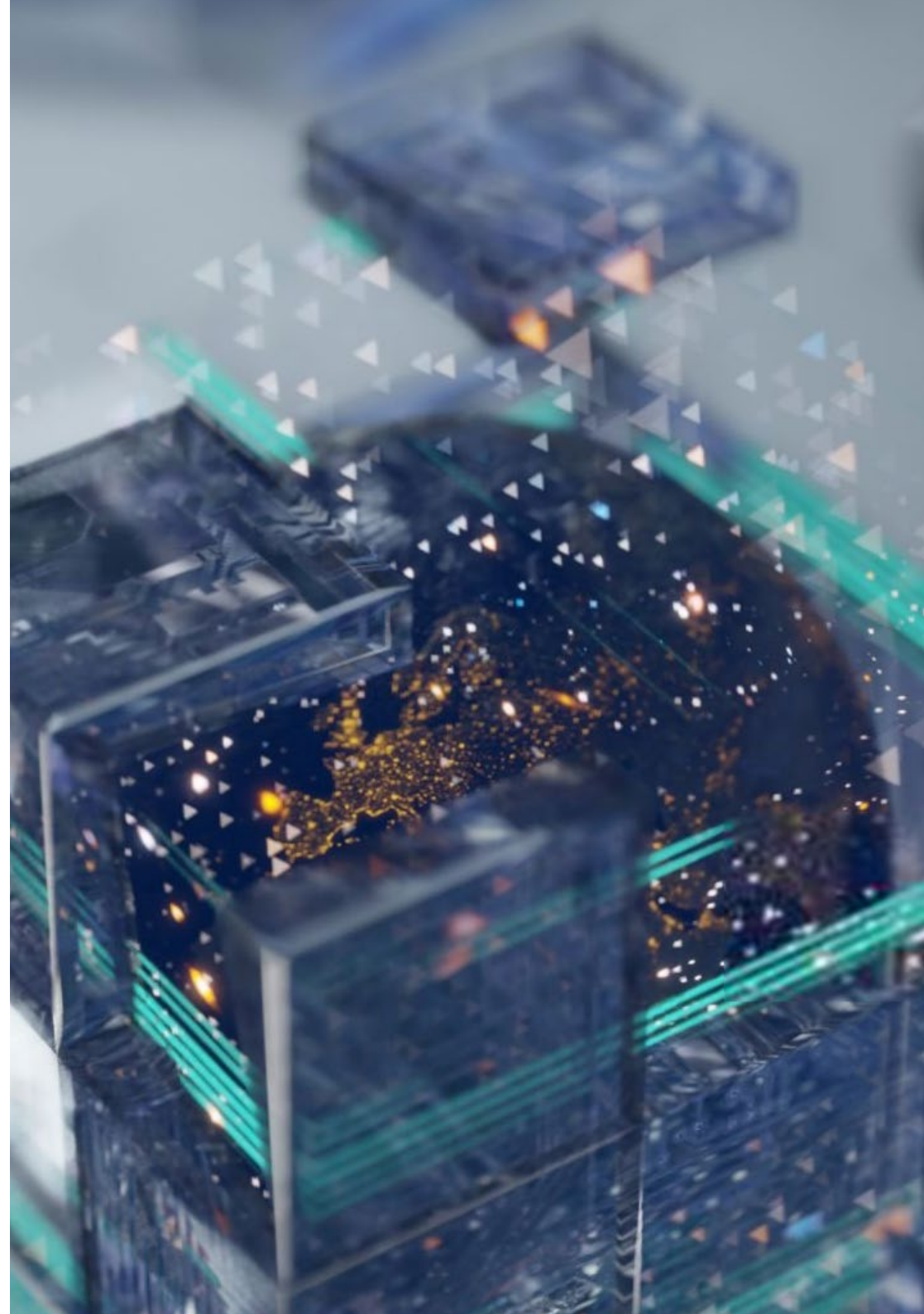
General Conditions

Civil Liability Insurance

This institution's main concern is to guarantee the safety of the students and other collaborating agents involved in the internship process at the company. Among the measures dedicated to achieve this is the response to any incident that may occur during the entire teaching-learning process.

To this end, this entity commits to purchasing a civil liability insurance policy to cover any eventuality that may arise during the course of the internship at the center.

This liability policy for interns will have broad coverage and will be taken out prior to the start of the practical training period. That way professionals will not have to worry in case of having to face an unexpected situation and will be covered until the end of the internship program at the center.



General Conditions of the Internship Program

The general terms and conditions of the internship program agreement shall be as follows:

1. TUTOR: During the Internship Program, students will be assigned with two tutors who will accompany them throughout the process, answering any doubts and questions that may arise. On the one hand, there will be a professional tutor belonging to the internship center who will have the purpose of guiding and supporting the student at all times. On the other hand, they will also be assigned with an academic tutor, whose mission will be to coordinate and help the students during the whole process, solving doubts and facilitating everything they may need. In this way, the student will be accompanied and will be able to discuss any doubts that may arise, both clinical and academic.

2. DURATION: The internship program will have a duration of three continuous weeks, in 8-hour days, 5 days a week. The days of attendance and the schedule will be the responsibility of the center and the professional will be informed well in advance so that they can make the appropriate arrangements.

3. ABSENCE: If the students does not show up on the start date of the Internship Program, they will lose the right to it, without the possibility of reimbursement or change of dates. Absence for more than two days from the internship, without justification or a medical reason, will result in the professional's withdrawal from the internship, therefore, automatic termination of the internship. Any problems that may arise during the course of the internship must be urgently reported to the academic tutor.

4. CERTIFICATION: Professionals who pass the Internship Program will receive a certificate accrediting their stay at the center.

5. EMPLOYMENT RELATIONSHIP: The Internship Program shall not constitute an employment relationship of any kind.

6. PRIOR EDUCATION: Some centers may require a certificate of prior education for the Internship Program. In these cases, it will be necessary to submit it to the TECH internship department so that the assignment of the chosen center can be confirmed..

7. 3.- DOES NOT INCLUDE: The Internship Program will not include any element not described in the present conditions. Therefore, it does not include accommodation, transportation to the city where the internship takes place, visas or any other items not listed.

However, students may consult with their academic tutor for any questions or recommendations in this regard. The academic tutor will provide the student with all the necessary information to facilitate the procedures in any case.

07 Certificate

This private qualification will allow you to obtain an **Internship Program diploma in Artificial Intelligence in Design** endorsed by **TECH Global University**, the world's largest online university.

TECH Global University, is an official European University publicly recognized by the Government of Andorra ([official bulletin](#)). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

This **TECH Global University** private qualification, is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Internship Program in Artificial Intelligence in Design**

Duration: **3 weeks**

Attendance: **Monday to Friday, 8-hour shifts, consecutive shifts**

Accreditation: **4 ECTS**



future
health confidence people
education information tutors
guarantee accreditation teaching
institutions technology learning
community commitment
personalized service innovation
knowledge present quality
online training
development languages
classroom

tech global
university

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