Postgraduate Diploma

Advanced Front-End Web Development

tech global university

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Postgraduate Diploma
Advanced Front-End Web Development

- Modality: **online**
- Duration: **6 months**
- Certificate: **TECH Global University**
- Credits: **24 ECTS**
- Schedule: **at your own pace**
- Exams: **online**

Website: www.techtitute.com/us/information-technology/postgraduate-diploma/postgraduate-diploma-advanced-front-end-web-development

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01

Introduction

The Front End plays a key role in Web Development, since it is the part of a page with which users interact directly. When this IT system is properly designed, it ensures an effective and engaging user experience. In turn, this contributes to the success of a web project. However, this procedure faces a number of challenges that developers must address to create successful programs. One example of these challenges is ensuring cross-device compatibility and ensuring the security of the application. For this reason, TECH creates a university program that will equip developers with the most advanced resources to overcome obstacles during their professional work. In addition, it is delivered in a flexible online format.

With this Postgraduate Diploma, based on Relearning, you will create responsive and adaptive user interfaces that guarantee an optimal user experience on all devices"

In the context of Front-End Web Development, the deployment and monitoring of applications are important practices that serve several purposes. Foremost among them is making the program available to end users. This involves configuring and launching the application on appropriate web hosting platforms so that consumers can access it. It also facilitates the continuous deployment of new versions or updates, allowing development teams to quickly deliver new features and bug fixes to customers. Moreover, these techniques implement security measures to protect projects against vulnerabilities and cyber attacks.

In this scenario, TECH presents a pioneering Postgraduate Diploma in Advanced Front-End Web Development. The academic itinerary will provide students with the most innovative tools to carry out efficient deployments. In this sense, the syllabus will delve into Progressive Application development for computer scientists to create programs that enable companies to reach a wider audience and provide a high quality user experience on a variety of platforms. In addition, course materials will delve into TypeScript's utilities for early bug detection, productivity improvements and refactoring. Also, the university program will focus on the creation of Custom Hooks to promote modularity and code cleanliness to facilitate the maintenance of shared logic.

Regarding the methodology of this degree, TECH offers a 100% online educational environment, adapted to the needs of professionals who want to advance their careers. It also employs the Relearning methodology, based on the repetition of key concepts to fix knowledge. In this way, the combination of flexibility and a robust pedagogical approach makes it highly accessible. In addition, developers will have access to a didactic library with a variety of multimedia resources in different formats such as interactive summaries, explanatory videos and infographics.

This **Postgraduate Diploma in Advanced Front-End Web Development** contains the most complete and up-to-date educational program on the market. The most important features include:

- The development of practical cases presented by experts in Front-End Web Development
- The graphic, schematic, and practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice
- Practical exercises where self-assessment can be used to improve learning.
- Its special emphasis on innovative methodologies
- Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- Content that is accessible from any fixed or portable device with an Internet connection

You'll address code quality with TypeScript thanks to this Postgraduate Diploma designed with the most up-to-date and rigorous scientific information"

You will master advanced techniques for identifying, diagnosing and troubleshooting problems in Front-End web applications"

You will delve into the management of Source Maps to facilitate the development of complex applications and optimize their performance.

TECH offers a 100% online learning methodology, based on free access to the contents and the personalization of Learning.

The program's teaching staff includes professionals from the field who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

The multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide immersive education programmed to learn in real situations.

This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise during the academic year For this purpose, the students will be assisted by an innovative interactive video system created by renowned and experienced experts.

02

Objectives

Under an eminently practical approach, this university program will provide computer scientists with a solid understanding of the latest Front-End Technologies. In this sense, students will gain competencies aimed at creating responsive and adaptive user interfaces that work on a variety of devices. Likewise, graduates will adequately integrate Artificial Intelligence and Machine Learning in the design of user experiences to make them more immersive. In addition, you will be equipped with security best practices to protect applications against common vulnerabilities such as code injections and cross-site scripting attacks.

You will optimize application performance, including load time and browser resource management with this university program"

General Objectives

- Generate solid knowledge of the architectural fundamentals necessary for the design and development of advanced frontend applications
- Facilitate hands-on learning of advanced strategies and techniques in frontend architecture, including state management, performance and security
- Enable students to build applications that are compliant with current requirements, scalable, maintainable, and secure in preparation for future demands
- Develop advanced TypeScript knowledge to build complex and secure frontend applications
- Determine best practices in typing, code design, and advanced patterns, encouraging the writing of cleaner, maintainable, and scalable code
- Equip students with the skills necessary to integrate TypeScript into different working environments, including projects using frameworks such as React, Vue and Angular
- Develop advanced knowledge of React including full mastery over the use of custom hooks, context APIs, and advanced design patterns, to create sophisticated and efficient frontend applications
- Concretize critical optimization techniques to improve the speed and user experience in React applications, including memoization, deferred loading, and profiling strategies
- Specializestudents to in best practices for security, testing, internationalization, and accessibility, ensuring the development of React applications that are secure, reliable and accessible to a global audience
- Provide a solid foundation in Artificial Intelligence (AI) and Machine Learning (ML) concepts, preparing developers to integrate these technologies into the creation of user interfaces and user experiences
- Familiarize students with tools such as TensorFlow.js, enabling them to build and use them in the creation of user interfaces and user experiences
- Demonstrate how AI can be used to personalize content, improve accessibility, optimize performance and secure web applications, all while maintaining high ethical standards

You will implement the most effective security measures to protect your web applications against common vulnerabilities such as code injections or cross-site scripting attacks"

Specific Objectives

Module 1. Advanced Front-End Web Architecture and Development

- Master the principles of front-end architecture
- Analyze advanced state management in front-end applications
- Examine performance optimization in front-end applications
- Ensure front-end security policies
- Compile testing techniques and tools
- Explore micro front-end architectures and event-driven architectures

Module 2. Using Advanced TypeScript in Front-End Web Development

- Master advanced types and utilities in TypeScript
- Integrate TypeScript with popular front-end frameworks
- Implement advanced error handling and debugging
- Apply decorators and metaprogramming concepts
- Optimize TypeScript code for production
- Develop reactive front-end applications with TypeScript

Module 3. Advanced React Front-End Development

- Implement custom hooks
- Optimize React applications for superior performance
- Explore advanced React architectures and patterns
- Apply Server-Side Rendering (SSR) and static generation with Next.js
- Perform extensive testing on React applications
- Improve internationalization and accessibility in React

Module 4. Artificial Intelligence and Machine Learning in Front-End Web Development

- Develop specialized knowledge on Artificial Intelligence (AI) and Machine Learning (ML)
- Integrate ML models in front-end applications
- Personalize content and recommendations with AI
- Implement image recognition and NLP in front-end applications
- Optimize application performance with AI
- Secure and validate front-end AI integrations

03

Course Management

To ensure that this Postgraduate Diploma provides quality teaching, TECH brings together a teaching staff made up of experts in Front-End Development. These professionals pour into the teaching materials both their knowledge on this subject and their years of work experience, thus promoting updated information. They will also provide guidance and support to students throughout their learning process to ensure proper assimilation of the contents. Undoubtedly, an academic experience that will raise the professional horizons of the graduates to a higher level and allow them to excel in the IT field.

The diversity of skills of this teaching team will generate an enriching learning environment. Learn with the best!"

Management

Mr. Utrilla Utrilla, Rubén

- Technology Project Manager at Serquo
- Full-Stack Developer at ESSP
- Junior Full-stack Developer at Sinis Technology S.L.
- Junior Full-stack Developer at Escuela Politécnica Cantoblanco Campus
- Master in AI and Innovation by Founderz
- Degree in Computer Engineering from Universidad Autónoma de Madrid
- Google Cloud Developer course in Google Academic Program

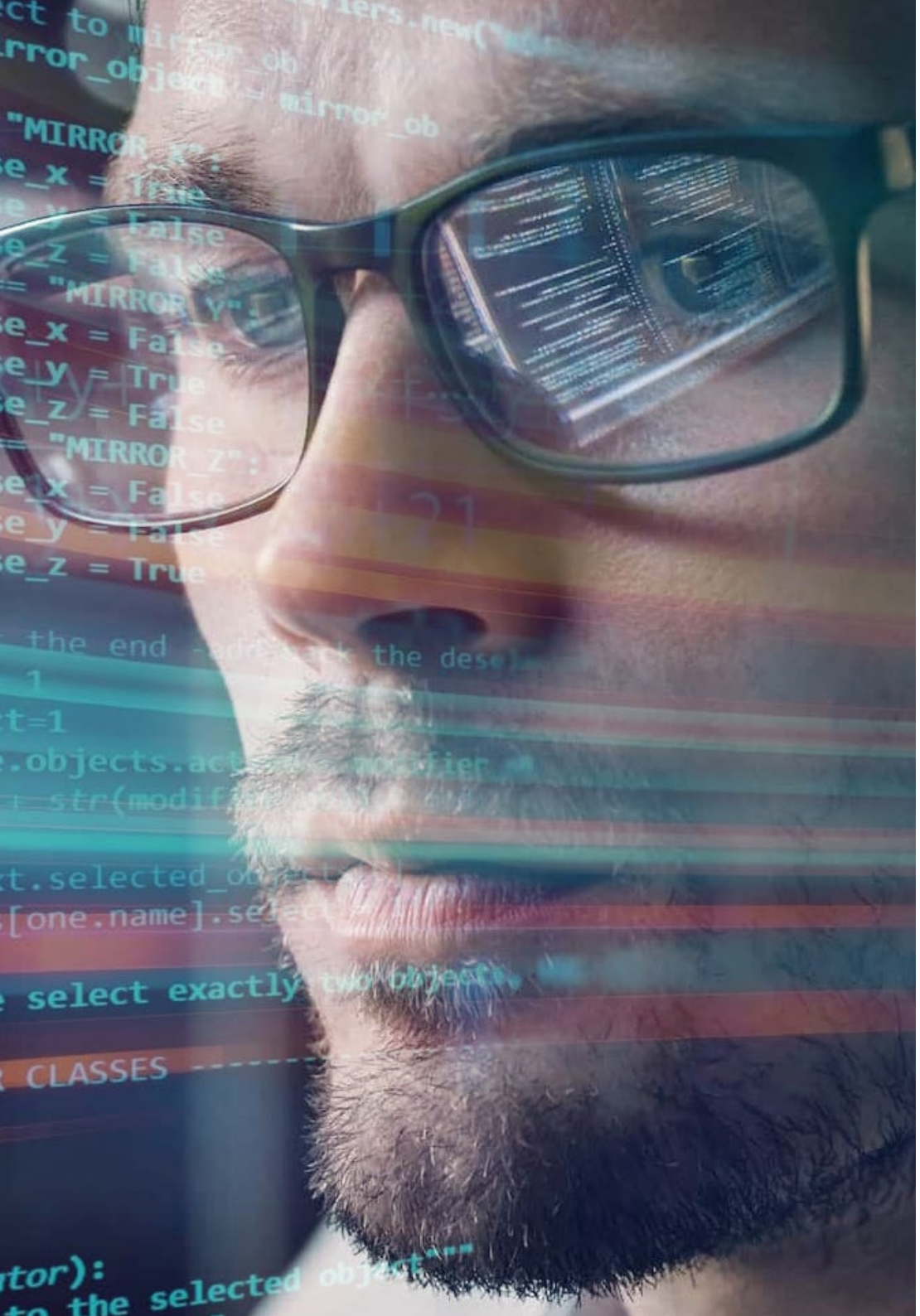
Professors

Ms. Del Vado Puell, Andrea

- Web Developer at Serquo
- Developer at Ribera Salud
  Software Developer at FutuRS
- Master's Degree university in Web Services and Applications Development from the International University of Valencia
- Degree in Computer Engineering from Universidad Complutense de Madrid
- Full Stack Developer MEAN Bootcamp at GeeksHubs Academy
- Full Stack Developer MEAN Certification

Mr. Gallegos Quishpe, Darío Fernando

- Senior iOs Developer at Tecdata
- iOs Developer at Sandav Consulting
- iOs Developer at BBVA
- Hybrid Developer at IMBox
- Degree in Computer Engineering from Universidad Complutense de Madrid
- Certification in Development for Mobile Devices with Android from Comunidad de Madrid
- Certificate in Big Data & Machine Learning from Universidad Complutense de Madrid



Ms. Zayat Mata, Ana

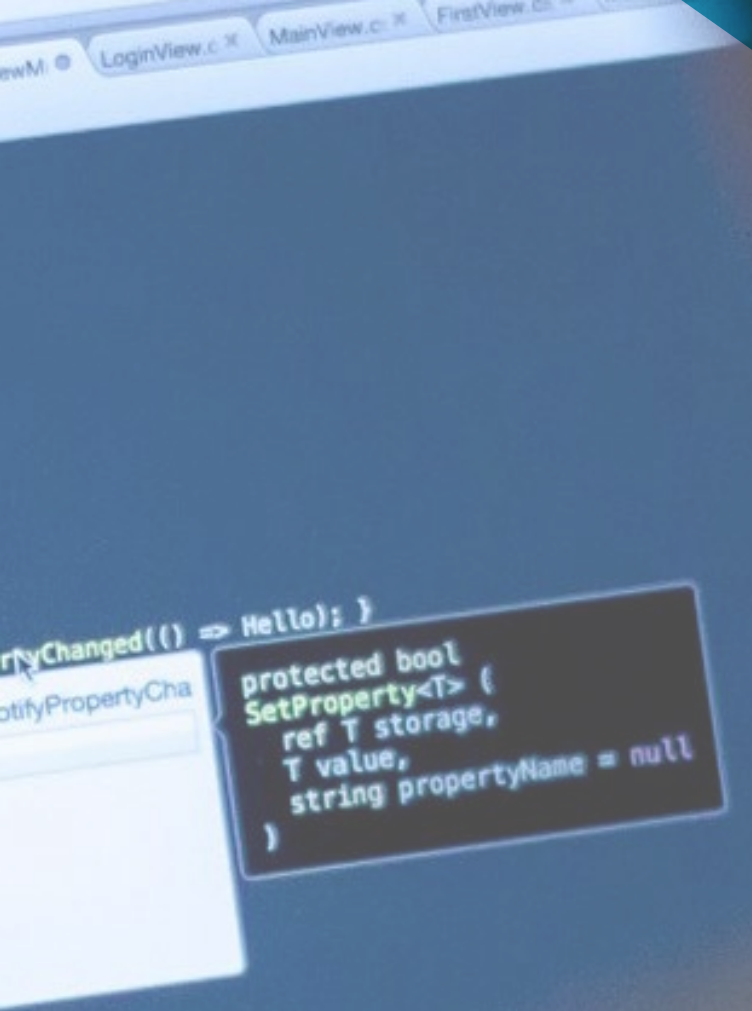
- Software Development Team Leader at Taric SAU
- Software Developer at Taric SAU
- Master's Degree in Computer Engineering from Universidad Autónoma de Madrid
- Degree in Computer Engineering from Universidad Autónoma de Madrid

Take the opportunity to learn about the latest advances in this field in order to apply it to your daily practice"

04

Structure and Content

Composed of 4 modules, this university program will provide computer scientists with a practical knowledge of the most innovative technologies in Front-End Development. The curriculum will offer cutting-edge strategies to perform the State Management process, allowing students to create interactive and dynamic web applications. Likewise, the syllabus will delve into the use of Advanced TypeScript in order to improve the productivity and efficiency of the projects. Along the same lines, the academic materials will emphasize the advantages of Custom Hooks to improve code readability and optimize component performance.



You will delve into Smart Coaching strategies to improve technical skills, communication and efficiency in the development team"

Module 1. Advanced Front-End Web Architecture and Development

1.1. Advanced Front-End Architecture
- 1.1.1. Separation of Concerns
- 1.1.2. Design and Architectural Patterns
- 1.1.3. MVC, MVP, MVVM
- 1.1.4. Singleton, Factory, Observer
- 1.1.5. Functional Patterns
- 1.1.6. Modularity and Componentization

1.2. State Management in Front End
- 1.2.1. State Management Strategies
- 1.2.2. Libraries and Frameworks
- 1.2.3. Patterns and Best Practices

1.3. Performance Optimization in Front-End Web Development
- 1.3.1. Deferred Loading and Resource Optimization
- 1.3.2. Performance Analysis Tools (Profiling)
- 1.3.3. Caching and Service Worker Strategies
- 1.3.4. *Caching*

1.4. Security in Front-End Web Development
- 1.4.1. Preventing XSS and CSRF Attacks
- 1.4.2. Secure Authentication and Session Handling
- 1.4.3. CSP Implementation

1.5. Testing and Code Quality in Front-End Web Development
- 1.5.1. Automated Testing (Unit, Integration, E2E)
- 1.5.2. Code Analysis Tools
- 1.5.3. Refactoring Strategies
- 1.5.4. Continuous Integration and Continuous Delivery (CI/CD)

1.6. *Micro Front Ends*
- 1.6.1. Architecture
- 1.6.2. Communication between Micro Front Ends
- 1.6.3. Deployment and Versioning

1.7. Event-Driven Architectures in Front-End Web Development
  1.7.1. Asynchronous Communication Patterns
  1.7.2. EventBus and Event Handling
  1.7.3. Front-End Applications
1.8. Server-Side Rendering (SSR) and Static Site Generation (SSG)
  1.8.1. Differences and Applications
  1.8.2. Tools and Frameworks (Next.js, Nuxt.js)
  1.8.3. SEO and Load Optimization
1.9. Progressive Application Development (PWA) in Front End
  1.9.1. *Service Workers*
  1.9.2. Offline Caching Strategies
  1.9.3. Installability and Hardware Access
1.10. Single Page Application Architecture (SPA) in Front-End Web Development
  1.10.1. *Routing and State Management*
  1.10.2. *Lazy Loading and Code Splitting*
  1.10.3. Form Handling and Validation

Module 2. Using Advanced TypeScript in Front-End Web Development

2.1. Advanced Types and TypeScript Utilities in Front-End Web Development
  2.1.1. Conditional, Mapped, and Utility Types
  2.1.2. Advanced Constructs
  2.1.3. Design Patterns with Advanced Types
2.2. Integrating TypeScript with Frameworks in Front-End Web Development
  2.2.1. Using TypeScript in React, Vue, and Angular
  2.2.2. Component Typing and Creation
  2.2.3. Strategies for Migrating from JavaScript to TypeScript
2.3. Error Handling and Debugging with TypeScript in Front-End Web Development
  2.3.1. Advanced Error Handling Techniques
  2.3.2. Environment Configuration for Efficient Debugging
  2.3.3. Use of Source Maps and Inspection Tools
2.4. Decorators and Metaprogramming with TypeScript in Front-End Web Development
  2.4.1. Decorator Applications and Limitations
  2.4.2. Metaprogramming Patterns and Reflection
  2.4.3. Practical Application of Front-End Development
2.5. Code Optimization with TypeScript in Front-End Web Development
  2.5.1. Tools for Analysis and Optimization
  2.5.2. Techniques to Reduce Bundle Size
  2.5.3. Strategies to Improve Execution Time
2.6. Testing and Code Quality with TypeScript in Front-End Web Development
  2.6.1. Testing Frameworks Compatible with TypeScript
  2.6.2. Strategies for Component and Service Testing
  2.6.3. Maintaining a Healthy Code Base
2.7. Typescript in Server-side Applications with Node.js in Front-End Web Development
  2.7.1. Node.js Project Configurations with Typescript
  2.7.2. Typescript in RESTful and GraphQL APIs
  2.7.3. Security and Error Handling
2.8. Scalable Application Architectures with Typescript in Front-End Web Development
  2.8.1. Designing Clean and Scalable Architectures
  2.8.2. Microservices and TypeScript
  2.8.3. Design Patterns and SOLID
2.9. Deployment and Monitoring of TypeScript Applications in Front-End Web Development
  2.9.1. Tools and Services for Efficient Deployment
  2.9.2. Performance Monitoring and Error Detection
  2.9.3. Specific Optimizations for TypeScript Applications
2.10. Future of TypeScript in Front-End Web Development
  2.10.1. Language Evolution and Upcoming Features
  2.10.2. Community, Resources and Continuous Learning
  2.10.3. Impact on the Front-End Development Ecosystem

Module 3. Advanced React Front-End Development

3.1. Custom Hooks with React Advanced in Front-End Web Development
  3.1.1. Creating Custom Hooks
  3.1.2. Composing and Reusing Logic
  3.1.3. Best Practices and Advanced Usage Examples
3.2. Context API with React in Web Front-End Development
  3.2.1. Implementing Context API for Global State Management
  3.2.2. Design Patterns and Optimization Strategies
  3.2.3. Data Accessibility and Localization

3.3. Performance Optimization in Front-End Web Development
  3.3.1. Memoization Techniques and Pure Components
  3.3.2. Application Profiling and Bottleneck Diagnostics
  3.3.3. Deferred Loading and Code-Splitting Strategies
3.4. Advanced Architectures and Patterns with React in Front-End Web Development
  3.4.1. Micro Front Ends with React
  3.4.2. Advanced Architectural Patterns
  3.4.3. Design Strategies for Large and Complex Systems
3.5. SSR (Server Side Rendering) and Static Generation with Next.js
  3.5.1. Advanced Configuration of Next.js for Optimization and SEO
  3.5.2. Dynamic Routing and Static Page Generation
  3.5.3. Internationalization and Localization in Complex SSR Applications
3.6. Testing React Applications in Front-End Web Development
  3.6.1. Strategies and Tools for Effective Testing
  3.6.2. Mocking and Simulation of APIs and Contexts
  3.6.3. Testing Hooks and High Order Components
3.7. Complex State Handling in Front-End Web Development
  3.7.1. Strategies for Handling Complex and Global States
  3.7.2. Use of Libraries such as Redux, MobX, or Zustand
  3.7.3. Patterns for State Synchronization and Side Effects
3.8. Security in React Applications in Front-End Web Development
  3.8.1. Security Strategies in React
    3.8.1.1. XSS Vulnerabilities and Data Escapes
    3.8.1.2. Use of PropTypes and Typescript
  3.8.2. Security in State Handling and Context APIs
    3.8.2.1. Sensitive States
    3.8.2.2. Data Encryption
  3.8.3. Authentication and Access Control Implementation
    3.8.3.1. Auth0 or Firebase Auth
    3.8.3.2. Custom HOCs and Hooks
3.9. Integration with APIs and Microservices in Front-End Web Development
  3.9.1. Design Patterns for Efficient Integration with Back Ends
  3.9.2. Handling Authentication, Caching and Load States
  3.9.3. Strategies for Error and Fallback Handling
3.10. State of the Art and Trends of the React Ecosystem in Front-End Web Development
  3.10.1. New Features of the React Ecosystem
  3.10.2. React and the Future of Web Development
  3.10.3. Community, Resources and Emerging Tools

Module 4. Artificial Intelligence and Machine Learning in Front-End Web Development

4.1. Artificial Intelligence (AI) and Machine Learning (ML) from a Front-End Approach
  4.1.1. Artificial Intelligence (AI) and Machine Learning (ML) for Front-End Web Developers
  4.1.2. JavaScript Tools and Libraries for AI/ML
  4.1.3. Basic Integration of ML Models in Front-End Applications
4.2. Frameworks and JavaScript Libraries for ML from a Front-End Approach
  4.2.1. TensorFlow.js and Its Ecosystem
  4.2.2. Creating and Training Models Directly in the Browser
  4.2.3. Examples and Practical Applications
4.3. Personalization and User Experience Enhanced by AI from a Front-End Approach
  4.3.1. Use of AI for Content Personalization and Recommendations
  4.3.2. Improving the UX with Chatbots and Virtual Assistants
  4.3.3. User Behavior Analysis and Interface Optimization
4.4. Image Recognition and Natural Language Processing (NLP) from a Front-End Approach
  4.4.1. Implementation of Image Recognition on the Front-End
  4.4.2. Integration of NLP Capabilities to Improve User Interaction
  4.4.3. Tools and APIs Available for Developers
4.5. Accessibility and Artificial Intelligence (AI) from a Front-End Approach
  4.5.1. AI Applications to Improve Web Accessibility
  4.5.2. Automatic Generation of Image Descriptions
  4.5.3. Adaptive Interfaces Based on User Needs
4.6. Performance Optimization with Artificial Intelligence (AI) from a Front-End Approach
  4.6.1. Use of Predictive Modeling for Anticipated Resource Loading
  4.6.2. Predictive Analytics for Application Performance Improvement
  4.6.3. Intelligent Caching Strategies

4.7. Security and Ethics in the Integration of Artificial Intelligence (AI) from a Front-End Approach
- 4.7.1. Ethical Considerations in the Use of AI on the Front End
- 4.7.2. Bias Prevention and Privacy Assurance
- 4.7.3. AI-Based Security Enhancements

4.8. Testing and Debugging of Artificial Intelligence (AI) Functionalities from a Front-End Approach
- 4.8.1. Tools and Techniques for Testing AI Integrations
- 4.8.2. Debugging of ML Models in Web Applications
- 4.8.3. Validation and Quality Assurance of AI Predictions

4.9. UI/UX of the Future with Artificial Intelligence (AI) from a Front-End Approach
- 4.9.1. Adaptive and Predictive Interface Design
- 4.9.2. Examples of Innovative AI- Enhanced UI
- 4.9.3. Trends in Interaction Design Based on AI Capabilities

4.10. Emerging Trends and Future of Artificial Intelligence (AI) from a Front-End Approach
- 4.10.1. Advances in Artificial Intelligence (AI) Technologies and their Potential in Web Development
- 4.10.2. Generative Artificial Intelligence (AI) and Its Impact on Web Content
- 4.10.3. Future Visions for the Integration of Artificial Intelligence (AI) in User Experiences

A complete syllabus that incorporates all the knowledge you need to take a step towards the highest computer quality. What are you waiting for to enroll?"

05

Methodology

This academic program offers students a different way of learning. Our methodology uses a cyclical learning approach: **Relearning.**

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.

Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"

Case Study to contextualize all content

Our program offers a revolutionary approach to developing skills and knowledge. Our goal is to strengthen skills in a changing, competitive, and highly demanding environment.

At TECH, you will experience a learning methodology that is shaking the foundations of traditional universities around the world"

You will have access to a learning system based on repetition, with natural and progressive teaching throughout the entire syllabus.

The student will learn to solve complex situations in real business environments through collaborative activities and real cases.

A learning method that is different and innovative

This TECH program is an intensive educational program, created from scratch, which presents the most demanding challenges and decisions in this field, both nationally and internationally. This methodology promotes personal and professional growth, representing a significant step towards success. The case method, a technique that lays the foundation for this content, ensures that the most current economic, social and professional reality is taken into account.

> *Our program prepares you to face new challenges in uncertain environments and achieve success in your career"*

The case method has been the most widely used learning system among the world's leading Information Technology schools for as long as they have existed. The case method was developed in 1912 so that law students would not only learn the law based on theoretical content. It consisted of presenting students with real-life, complex situations for them to make informed decisions and value judgments on how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

What should a professional do in a given situation? This is the question that you are presented with in the case method, an action-oriented learning method. Throughout the course, students will be presented with multiple real cases. They will have to combine all their knowledge and research, and argue and defend their ideas and decisions.

Relearning Methodology

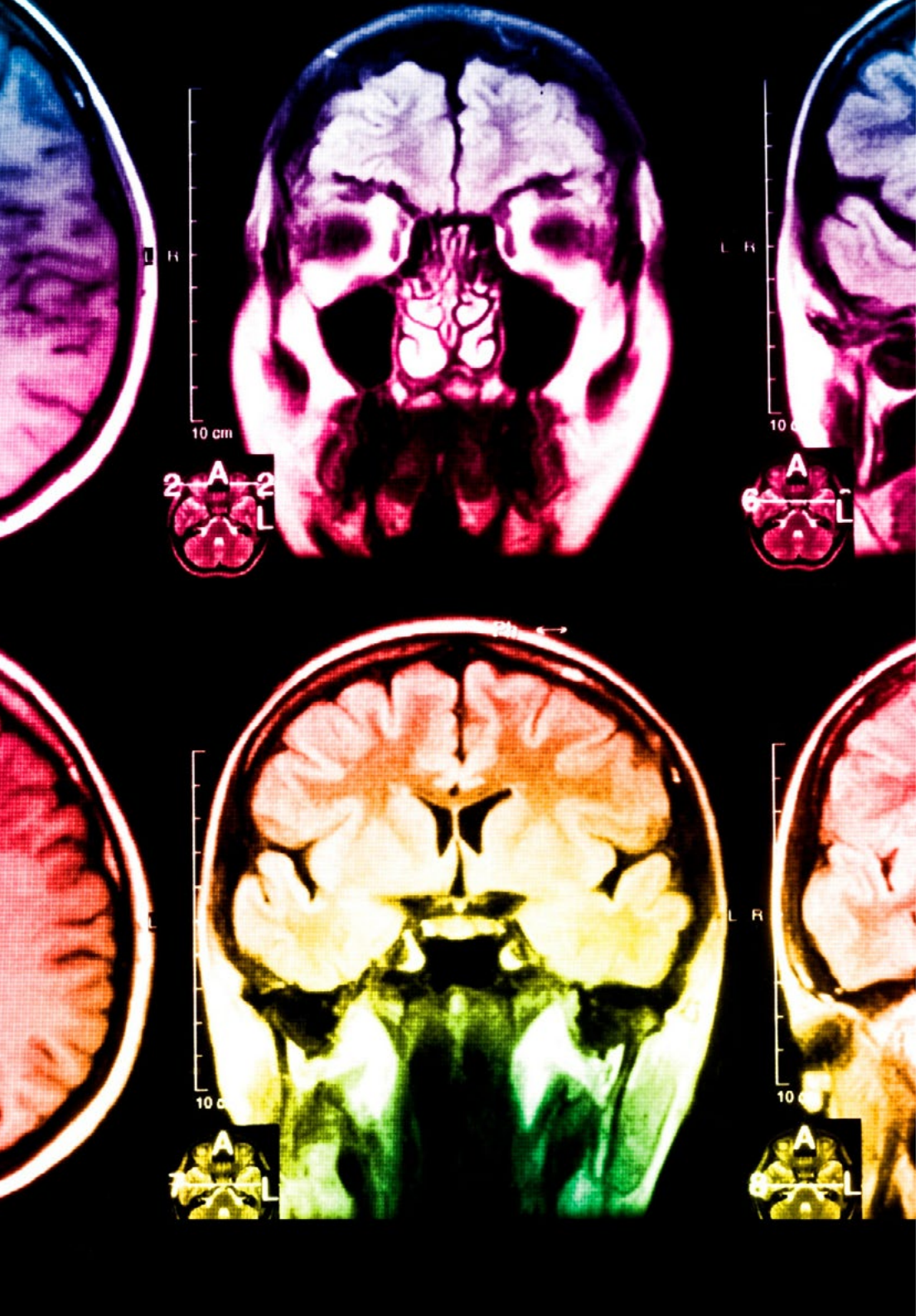
TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines different teaching elements in each lesson.

We enhance the Case Study with the best 100% online teaching method: Relearning.

In 2019, we obtained the best learning results of all online universities in the world.

At TECH you will learn using a cutting-edge methodology designed to train the executives of the future. This method, at the forefront of international teaching, is called Relearning.

Our university is the only one in the world authorized to employ this successful method. In 2019, we managed to improve our students' overall satisfaction levels (teaching quality, quality of materials, course structure, objectives...) based on the best online university indicators.



In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically. This methodology has trained more than 650,000 university graduates with unprecedented success in fields as diverse as biochemistry, genetics, surgery, international law, management skills, sports science, philosophy, law, engineering, journalism, history, and financial markets and instruments. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

Relearning will allow you to learn with less effort and better performance, involving you more in your training, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation for success.

From the latest scientific evidence in the field of neuroscience, not only do we know how to organize information, ideas, images and memories, but we know that the place and context where we have learned something is fundamental for us to be able to remember it and store it in the hippocampus, to retain it in our long-term memory.

In this way, and in what is called neurocognitive context-dependent e-learning, the different elements in our program are connected to the context where the individual carries out their professional activity.

This program offers the best educational material, prepared with professionals in mind:

Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.

Classes

There is scientific evidence suggesting that observing third-party experts can be useful.

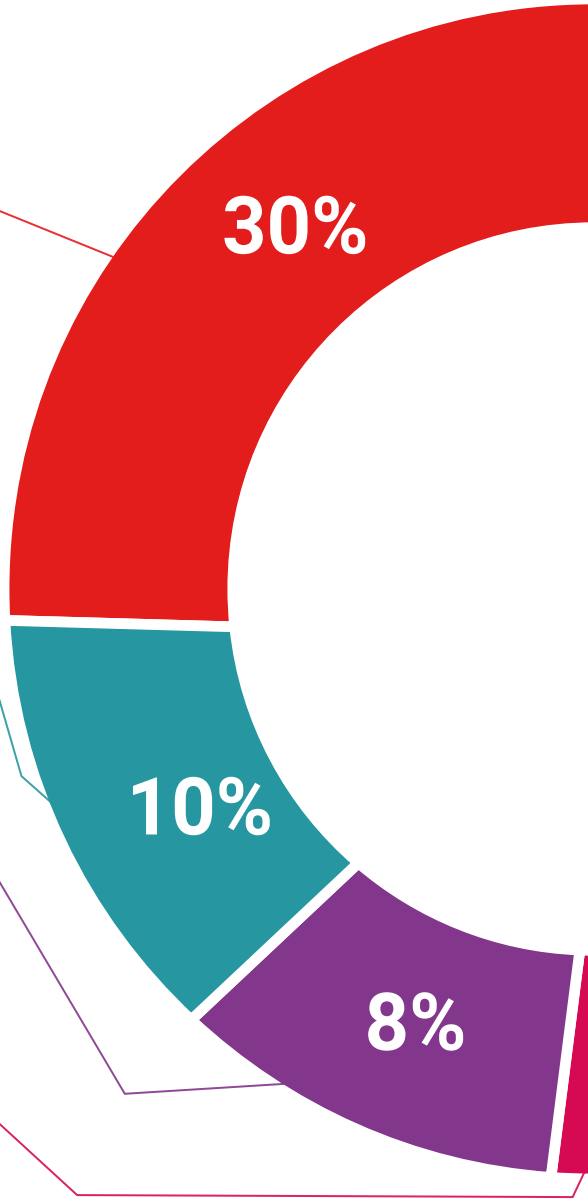
Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.

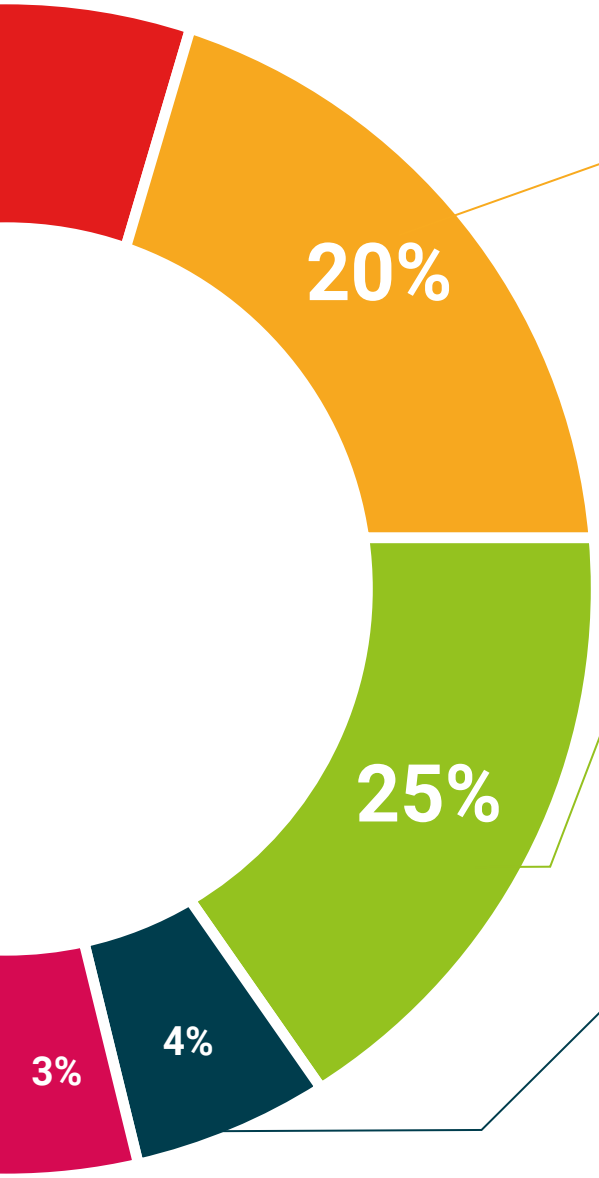
Practising Skills and Abilities

They will carry out activities to develop specific skills and abilities in each subject area. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop in the context of the globalization that we are experiencing.

Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





Case Studies

Students will complete a selection of the best case studies chosen specifically for this program. Cases that are presented, analyzed, and supervised by the best specialists in the world.

Interactive Summaries

The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".

Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.

06

Certificate

The Postgraduate Diploma in Advanced Front-End Web Development guarantee students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Diploma issued by TECH Global University.

Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork"

This program will allow you to obtain your **Postgraduate Certificate in Advanced Front-End Web Development** 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** title 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: **Postgraduate Certificate in Advanced Front-End Web Development**
Modality: **online**
Duration: **6 months**
Accreditation: **24 ECTS**


tech global university

Mr./Ms. _____, with identification document _____
has successfully passed and obtained the title of:

Postgraduate Diploma in Advanced Front-End Web Development

This is a program of 600 hours of duration equivalent to 24 ECTS, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH Global University is a university officially recognized by the Government of Andorra on the 31st of January of 2024, which belongs to the European Higher Education Area (EHEA).

In Andorra la Vella, on the 28th of February of 2024

Dr. Pedro Navarro Illana
Dean

Unique TECH Code: AFWORD23S techtitute.com/certificates

*Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH Global University will make the necessary arrangements to obtain it, at an additional cost.

tech global university

Postgraduate Diploma
Advanced Front-End Web Development

- Modality: **online**
- Duration: **6 months**
- Certificate: **TECH Global University**
- Credits: **24 ECTS**
- Schedule: **at your own pace**
- Exams: **online**

Postgraduate Diploma

Advanced Front-End Web Development

tech global university