

Internship Program Website Management Engineering

```
mirror_mod.use_x = False  
mirror_mod.use_y = False  
mirror_mod.use_z = True  
  
#selection at the end -add back the deselected mirror modifier  
mirror_ob.select= 1  
modifier_ob.select=1  
bpy.context.scene.objects.active = modifier_ob  
print("Selected" + str(modifier_ob)) # modifier ob is the active
```

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Internship Program
Website Management
Engineering

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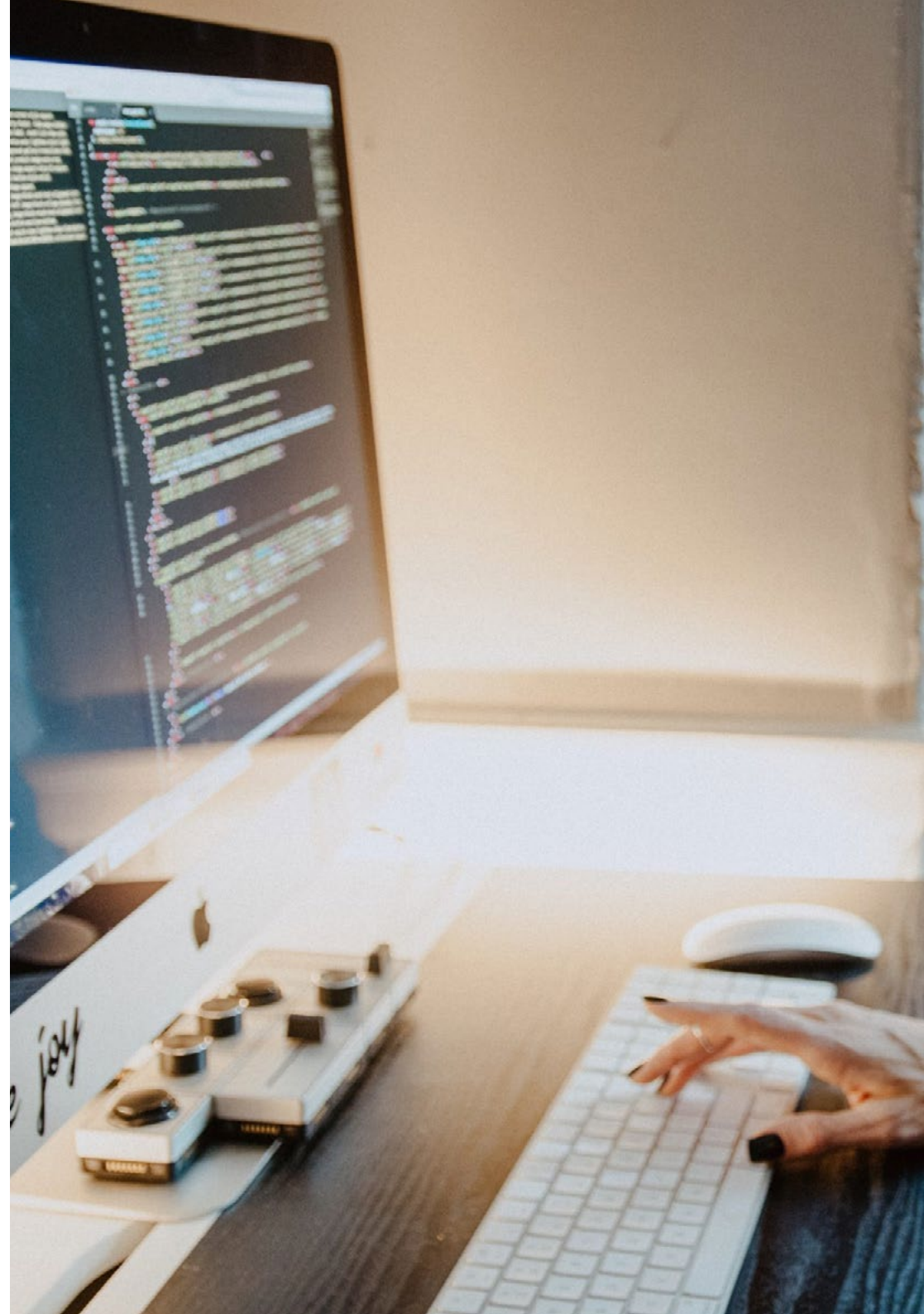
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01 Introduction

The design and development of web applications and frameworks has revolutionized e-commerce through the implementation of techniques and frameworks that enable top-level user experiences. In this way, a new market with double standards emerges: one in which there are multiple creative possibilities and in which professionals in this field have more and more opportunities. Therefore, TECH has developed an ideal program to get up to date on the latest developments in this sector, through an internship of 120 hours in a benchmark company in Website Management Engineering. In this way, you will work side by side with the best professionals, implementing the most innovative web development methods of the moment.

“

Would you like to become proficient in user interface design and programming? This will be one of the aspects that you will work on with the Internship Program offered by TECH”





Companies that wish to be at the forefront and obtain extensive benefits through the Internet must have a well-positioned and well-designed web page that allows them to achieve their objectives. The IT professional who wishes to guarantee, in this sense, an effective service must be able to create, manage, analyze and monetize a website. This eminently practical teaching allows students to acquire a better knowledge of this highly demanded field from experts in this area.

A web engineering job in a company requires technical mastery and knowledge of the latest updates of different software, servers and web browsers. As well as consumer trends through the web. This learning is acquired by being day by day next to specialists in the field, who are aware of the latest developments and who are able to develop projects that go to market with the objective of generating revenue, thus meeting the clients' maxim.

All this, through 120 hours distributed over 3 weeks, in which the graduate will be integrated into a team of the highest level specialized in the area of *Website Management Engineering*. In addition, you will have access to the most sophisticated and advanced computer technology, as well as to the resources that will allow you to improve your engineering skills in a guaranteed and comfortable way, with the support of the best professionals and through an experience that will mark a before and after in your career.

02

Why Study an Internship Program?

The demand for engineers specialized in *Website Management Engineering* has multiplied in recent months due to the value that Internet presence has acquired. Therefore, the idea of designing this Internship Program, a pioneer qualification in the market through which the graduate will be able to update, together with a team of the highest level, on the latest developments in their profession. All this, in only 3 weeks of internship during which you will be able to elevate your talent to the maximum in a guaranteed way.



A program that will take you to the highest level of website marketing through the use of the most sophisticated programming strategies”

1. Updating from the Latest Technology Available

The enrollment in this Internship Program will give the graduate the opportunity to access the most advanced and sophisticated computer technology in the industry. Thanks to this, you will be able to work actively and during 3 weeks in its management, obtaining a wide and specialized knowledge about the different resources that currently exist to develop the best platforms and applications.

2. Gaining In-depth Knowledge from the Experience of Top Specialists

The tutor who will accompany the graduate from the beginning of the internship until its completion will ensure that all the requirements for which it was designed are met. In addition, the graduate will join a team of engineers specialized in the area of web development, from whose experience they will be able to acquire the best practical knowledge for a practice of the highest level.

3. Entering first-class hospital environments

During the internship, the graduate will actively participate in the cases assumed by the company, working together with their colleagues in the analysis of computer structures and in the search for solutions to possible cases presented by clients. In addition, you will take on various responsibilities, so that you can hone your skills for an unparalleled activity in the job market later on.



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

Everything the graduate learns during the Internship Program will be perfectly extrapolated to the current IT market. This is because TECH agrees with companies on the need to comply with internationalized protocols of action, in order to offer experiences in which students can prepare themselves effectively and guaranteed to work anywhere.

5. Expanding the Boundaries of Knowledge

TECH presents this Internship Program as a unique opportunity to access international companies, located in different parts of the world. It is, therefore, a unique experience to enter into a professional culture different from your own, while at the same time becoming a significant asset that you can use in any recruitment process.



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

03 Objectives

This Internship Program will allow the graduate to achieve the desired growth in their professional career, since in this program they will acquire the necessary technical skills to be able to create a website from start to finish with the main objective of achieving the monetization that every company and client desires. For this purpose, you will have at your disposal the necessary technological tools and a TECH teacher who will tutor you at all times.



General Objectives

- ♦ Lead and differentiate the roles of an agile team and recommend strategies for overcoming the challenges faced by dispersed or offshore agile teams
- ♦ Examine the process of creating web content using HTML markup language
- ♦ Determine the style and improve the appearance of a web page using CSS rules
- ♦ Develop applications with complex structures by using the different procedures, functions and objects that integrate JavaScript





Specific Objectives

- ♦ Analyze the current legal framework from a chronological perspective
- ♦ Examine the leadership strategies of high-performing self-managed teams
- ♦ Integrate applications developed in PHP with MySQL databases
- ♦ Master customer interaction process using forms, cookies and sessions
- ♦ Gain specialized knowledge of web application and web page development, both on the client and server side
- ♦ Examine web programming languages and their implementation in development environments
- ♦ Analyze the different *frameworks* and libraries for the main web programming languages
- ♦ Determine the different optimization techniques to be considered during the development of any web project
- ♦ Examine the three pillars of web architecture to recognize the importance of each when designing and building web projects
- ♦ Optimize the relationship between web architecture and user experience and the relationship between web architecture and SEO
- ♦ Analyze browsing and content organization prior to the modeling phase
- ♦ Manage CMS Environment Security
- ♦ Identify the different attacks and risks in APIs
- ♦ Analyze the different HTTP headers in terms of security
- ♦ Establish the relationship between user experience and organic positioning (SEO)
- ♦ Determine the objectives and the process to develop style guides
- ♦ Develop the structure for the creation of an e-commerce store
- ♦ Assess the professional e-commerce market
- ♦ Analyze the different options that exist to grow an e-commerce business
- ♦ Set up an online store using the different CMSs currently available on the online market



This program will allow you to update your knowledge and apply it successfully"

04 Educational Plan

TECH has designed a Internship Program in Website Management Engineering that will provide, in its 3 weeks of duration, an experience with real application to the labor market. To this end, students will be accompanied by professionals from a leading company in the sector, who will guide them from Monday to Friday and during the 8 consecutive hours of the day to achieve their objectives.

This course will allow you to program web pages according to the current legal and ethical framework, avoiding undesirable penalties for companies and customers, mastering the programming language, the development of inclusive websites, web content management and the main tips for the marketing of the pages.

In this internship proposal, of a completely practical nature, the activities are aimed at the development and improvement of the skills necessary for the provision of web engineering services, and are oriented to the specific qualification for the exercise of the activity, in an environment with updated systems and programs.

An excellent opportunity for any IT professional who wants to thrive in a sector that is in high demand. In this Internship Program you will not be alone, the TECH teaching team will be tutoring the students so that they can achieve learning with innovative and updated content.

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 information technology praxis (learning to be and learning to relate).

The basis of the internship practice described in the following section, and its realization will be subject to the availability of projects for each of them, during the stay in the hospital.

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



Receive specialized education in an institution that can offer you all these possibilities, with an innovative academic program and a human team that will help you develop your full potential"

Module	Practical Activity
Web ethics update	Program web pages in compliance with the current international legal and ethical frameworks
	Avoid the most common penalties with a specific work methods for web engineering
Application development and updating in web programming language	Implement an Agile work method for the development of web applications
	Plan step by step, following the Agile method, a web development project
	Monitor and lead activities in web application development teams
	Make use of the main programming languages when developing web pages
	Distinguish the use of HTML, CSS, Javascript, PHP and MySQL, as well as their different libraries and repositories
	Use specific web programming techniques such as Beautify or image optimization
Web site security and development of stable architectures	Manage web site security systems during development process
	Analyze vulnerabilities and remediate them in a timely manner
	Perform web audits with OWASP methods
	Integrate secure development best practices into web architecture
	Design a web architecture taking into account its pillars, as well as the advantages of horizontal or vertical programming
	Make use of today's leading web architecture tools
	Defining SEO through Benchmarks and Keyword Research

Module	Practical Activity
UX and E-commerce Design	Design a website with a clear focus on perfecting the user experience
	Apply design psychology and Design Thinking to the usual work methodology
	Follow a style guide, with guidelines on objectives, context, layout and other useful resources in web development
	Manage the basic and advanced functions of a traditional E-commerce
	Select in-house development or CMS according to the type of E-commerce project
	Optimize SEO with promotion creation and optimized content management
	Analyze the work of the competition with specific tools for this purpose
Website content administration, management and marketing	Selecting specific work environments according to the programming work to be developed
	Manage and install web server control panels
	Test security and eventual troubleshooting in web server management
	Manage current content managers
	Manage Drupal, Prestashop, Shopifu and other CMS applications.
	Analyze the specific marketing of a website, with its specific invoicing and taxation
	Review and reinforce the different sales phases of a product, detecting applicable improvements in each one of them
Improve techniques such as Growth Hacking	

05 Where Can I Do the Internship Program?

TECH selects leading companies in the sector that have highly qualified professionals and experts in the area in which the students will study in depth for the Internship Program. In this apprenticeship, the student will achieve his or her objectives by spending three weeks in a relevant entity and with a staff that will guide him or her in this teaching.

“

3 weeks in a reference center, with the best professionals and renewing knowledge. This is the Internship Program you are looking for. Enroll"





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



Information-technology

Tribalo

Country City
Mexico Querétaro de Arteaga

Address: Ignacio Pérez Sur N°49
El Carrizal Querétaro

Advertising and Digital Marketing Agency

Related internship programs:

- MBA in Digital Marketing
- Advertising Communication



Information-technology

Estudio 630

Country City
Mexico Mexico City

Address: Av. Santa Fe 428-Piso 15, Lomas de
Santa Fe, Contadero, Cuajimalpa de Morelos,
05300 Ciudad de México, CDMX, México

Creative company for digital media

Related internship programs:

- Graphic Design
- MBA in Digital Marketing



Information-technology

Grupo Neo

Country City
Mexico Querétaro de Arteaga

Address: Fernando Soler 118 Col. La Joya
Querétaro C.P. 76180

Company specialized in Graphic Design
and creative works

Related internship programs:

- MBA in Digital Marketing
- Graphic Design

06

General Conditions

Civil Liability Insurance

This institution's main concern is to guarantee the safety of the trainees 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 agreement for the program are 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. 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 **Internship Program in Website Management Engineering** contains the most complete and up-to-date program in the professional and academic landscape.

After the student has passed the assessments, they will receive their corresponding Internship Program diploma issued by TECH Technological University via tracked delivery*.

The diploma issued by TECH will reflect the grade obtained in the test.

Title: **Internship Program in Website Management Engineering**

Duration: **3 weeks**

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

Total Hours: **120 h. of internship**



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Internship Program
Website Management
Engineering

Internship Program

Website Management

Engineering

```
0,0,$dest_xx,$dest_yy,$source_x,$source_y);  
$watermark_color, $watermark_string, $watermark_size, $watermark_angle, $watermark_opacity);  
$hexStr = "A-Fa-f/";  
$hexStr = substr($hexStr, 0, 6);  
$colorVal = hexdec($hexStr);  
$colorArray['red'] = $colorVal >> 0x10;  
$colorArray['green'] = $colorVal >> 0x8;  
$colorArray['blue'] = $colorVal >> 0x4;  
if (strlen($hexStr) == 3) {  
    $colorArray['red'] = hexdec(str_repeat(substr($hexStr, 0, 1), 2));  
    $colorArray['green'] = hexdec(str_repeat(substr($hexStr, 1, 1), 2));  
    $colorArray['blue'] = hexdec(str_repeat(substr($hexStr, 2, 1), 2));  
} else {  
    echo 'Error';  
}  
list($szerokosc,$wysokosc) = getimagesize($plik);  
$obrazek = imagecreatefromjpeg($plik);  
$kolor = imagecolorallocate($obrazek, $colorArray['red'],$colorArray['green'],$colorArray['blue']);  
$szerokosc_ost = 10;  
$wysokosc_ost = $wysokosc - 20;  
imagefttext($obrazek,  
    $watermark_size,  
    $watermark_angle,
```

