

Tony Nahra

Cell: (319) 594-1358 | email: tony-nahra@uiowa.edu | Web: tonynahra.github.io

SKILLS

Summary: 25 years experience developing software, managing systems, reporting, planning, evaluating and budgeting
Technologies: MS SQL, PowerBI, Epic systems, Amazon AWS, XML/XSL, HTML5, Web Services, Excel, Access, SharePoint
Programming Languages: Python, Pandas, ETL, OLAP, Tableau, C#, JavaScript, PHP, SQL, VBA, Office365 Add-ins

PROFESSIONAL EXPERIENCE

UI Health Care: CCA division

Jul. 2023 – Present

Coralville, Iowa, 52241, USA

Application Developer

Application development and administration of various systems:

- Epic Unified Communication
- Voalte administration
- MS Teams and Sharepoint
- Message Media
- Securitas RTLS

Member of two governance groups: MS-Teams and Message Media

Patient Education Institute

Jul. 2001 – June 2023

Coralville, Iowa, 52241, USA

Senior Analyst Programmer

Interactive Tutorial Engine/Player with LMS integration:

- Designed and developed a tutorial player with voice narration, questions, feedback, glossary, scoring features and multilingual capabilities to improve learning outcomes and increase user engagement
- Database Driven LMS with completion records, response analysis and usage reporting
- Worked with major healthcare institutions: NLM, Kaiser Permanente, Cleveland Clinic, HCA and others
- Managed projects across continents and in different languages
- Generated training material and plans

Abu Dhabi Investment Authority

Feb. 1994 – Jun. 2001

Abu Dhabi, U.A.E.

IT Education Consultant

Financial systems data analysis:

- Assisted financial analysts build models, data warehouse, OLAP and drill down
- Automated tasks and consolidated data from Reuters, Bloomberg and other sources
- Generated periodic reports, statistical regression, back-testing, and time-series seasonality analysis

CERTIFICATION

Epic Systems	EpicCare Inpatient Clinical Documentation	Oct 2024
Epic Systems	Data Courier Mover Badge	Nov 2024

EDUCATION

American University of Beirut	Beirut, Lebanon	Aug 1988
Bachelor of Engineering	Electrical Engineering	

More details and sample projects at <https://tonynahra.github.io/cv>

MS-SQL stored procedures that I developed for an online training system documenting completion

```
module_info.Name as Title,
module_info.Type as Type,
@CID as ClientID,
dbo.Specialties.SPname as DespSpecialty
FROM
dbo.Module_Info
INNER JOIN dbo.Module_Specialty ON dbo.Module_Info.ModuleID = dbo.Module_Spe
INNER JOIN dbo.Module_Type ON dbo.Module_Info.Type = Module_Type.Indx
INNER JOIN dbo.Specialties Spe ON dbo.Module_Info.Specialty = Spe.SP
INNER JOIN dbo.Module_Language ON dbo.Module_Info.Lang = dbo.Module_Language
INNER JOIN dbo.Specialties ON dbo.Module_Specialty.Specialty = dbo.Specialties
WHERE
(
    dbo.Module_Info.ModuleCODE = @FiltK
)
and (dbo.Module_Info.Status <> 3) else if @SpDest = -2
SELECT
    TOP 100 PERCENT M.ModuleID AS ModuleID,
    M.ModuleCODE,
    M.Lang,
    1 AS Licensed,
    Specialties_1.SPName AS Specialty,
    dbo.Module_Language.[Language],
    M.Name AS Module_Title,
    MT.M_Type AS asType,
    dbo.LicensedModules.ClientID,
    Specialties_1.SP AS DestSpecialty
FROM
    dbo.Module_Info M
    INNER JOIN dbo.Module_Language ON M.Lang = dbo.Module_Language.Indx
    INNER JOIN dbo.Module_Type MT ON M.Type = MT.Indx
    INNER JOIN dbo.Specialties Spe ON M.Specialty = Spe.SP
    INNER JOIN dbo.LicensedModules ON M.ModuleID = dbo.LicensedModules.ModuleID
    INNER JOIN dbo.Specialties Specialties_1 ON dbo.LicensedModules.Specialty =
WHERE
(
    M.Type = ISNULL(@Type, M.Type)
)
AND M.Status <> 3
AND dbo.LicensedModules.ClientID = @CID
and M.Specialty = isnull(@FiltS, M.Specialty)
and M.[Lang] = isnull(@FiltL, M.[Lang])
and M.ModuleCode + M.Name + M.keywords like '%' + isnull(@FiltK, '%') + '%'
ORDER BY
    M.Sorting,
    M.Name else
SELECT
    TOP 100 PERCENT M.ModuleID AS ModuleID,
    M.ModuleCODE,
    M.Lang,
```

```
SQLQuery5.sql - istrator (62)* SQLQuery4.sql - istrator (60) SQLQuery3.sql - istrator (59) SQLQuery2.sql - istrator (57) SQLQuery1.sql - istrator (53)
USE [XPOL_03-19-2015]
GO
/***** Object: StoredProcedure [dbo].[CP_Client_LM] Script Date: 02/15/2016 19:46:59 *****/
GO
SET ANSI_NULLS OFF
GO
SET QUOTED_IDENTIFIER ON
GO
ALTER PROCEDURE [dbo].[CP_Client_LM]
(
    @CID as int,
    @UID as int,
    @SP as int,
    @Lang int,
    @KW as varchar(50)
)
AS
Declare @Imitate int
select @Imitate=ImitateID from Client_Info where ClientID=@CID
if @Imitate is NULL
set @Imitate = @CID
if @SP = 0
SELECT DISTINCT
    dbo.LicensedModules.ModuleID, dbo.Module_Info.ModuleCODE, ISNULL(dbo.LicensedModules.Other.CustomName, dbo.Module_Info.Name)
    (SELECT Indx
    FROM Log_Assign
    WHERE Log_Assign.M = LicensedModules.ModuleID AND Log_Assign.C = @CID AND Log_Assign.U = @UID) AS Licensed
    (SELECT TOP 1 Indx
    FROM LicensedModules AS SUBLM
    WHERE SUBLM.ModuleID = LicensedModules.ModuleID AND SUBLM.ClientID = @Imitate ) AS LMIndx
FROM
    dbo.LicensedModules INNER JOIN
    dbo.Module_Info ON dbo.LicensedModules.ModuleID = dbo.Module_Info.ModuleID LEFT OUTER JOIN
    dbo.LicensedModules_Other ON dbo.LicensedModules.Indx = dbo.LicensedModules_Other.LM_Indx
WHERE (dbo.Module_Info.Status=1) And (dbo.Module_Info.Lang = isnull(@Lang, dbo.Module_Info.Lang )) and (dbo.LicensedModules.Client
else
SELECT
    dbo.Module_Info.ModuleID,
    dbo.Module_Info.ModuleCODE,
```

Microsoft SQL Server Enterprise Edition

File Edit View Tools Window Help

SQLQuery6.sql - istrator (63)* SQLQuery5.sql - istrator (62)* SQLQuery4.sql - istrator (60) SQLQuery3.sql - istrator (59) SQLQuery2.sql - istrator (57) SQLQuery1.sql - istrator (53)

Object Explorer

- System Stored Procedures
- dbo.AddMod
- dbo.CIDStartPage
- dbo.CP_Activity_Complete
- dbo.CP_Activity_Responses
- dbo.CP_Admin_ChangeSpecialty
- dbo.CP_Admin_Follow_ModuleSpecialty
- dbo.CP_Admin_License
- dbo.CP_Admin_LicenseCount
- dbo.CP_Admin_LM
- dbo.CP_Admin_LM_2
- dbo.CP_Admin_LM_2_WithArchived
- dbo.CP_Admin_LM_2_WithPubDate
- dbo.CP_Admin_LM_Add
- dbo.CP_Admin_LM_Del
- dbo.CP_Admin_LMS
- dbo.CP_Admin_LMS_List
- dbo.CP_Admin_LMS_Testing
- dbo.CP_Admin_Login
- dbo.CP_Admin_Module_Imitate
- dbo.CP_Admin_Module_Specialty
- dbo.CP_Admin_Module_Specialty_ListModules
- dbo.CP_Admin_Module_Specialty_ListSpecialty
- dbo.CP_Admin_Update_Module_Tracker
- dbo.CP_BO_HCA_ToUpdate
- dbo.CP_Client_Add_UID
- dbo.CP_Client_Assign_Add
- dbo.CP_Client_Assign_Del
- dbo.CP_Client_Get_UID
- dbo.CP_Client_Kiosk_UNPW
- dbo.CP_Client_Languages
- dbo.CP_Client_LM
- dbo.CP_Client_LM_Direct
- dbo.CP_Client_LM_Direct_Format3
- dbo.CP_Client_LM_Direct_SortedPublished
- dbo.CP_Client_LM_Direct_SortedPublished_2
- dbo.CP_Client_LM_DirectAR
- dbo.CP_Client_LM_Index
- dbo.CP_Client_LM_Index_NoDup
- dbo.CP_Client_Login
- dbo.CP_Client_Login_Direct
- dbo.CP_Client_ModuleDelisted
- dbo.CP_Client_ModuleUpdates
- dbo.CP_Client_PrintDirect
- dbo.CP_Client_PrintDirect_AutoRoll
- dbo.CP_Client_PRTDirect_All

```
SQLQuery6.sql - istrator (63)*
@SID int,
@ModuleID int,
@Logo tinyint,
@LogoT varchar(10),
@Cnt int,
@Title varchar(100),
@TitleTmp varchar(100),
@RunModule varchar(2000),
@Media CHAR(1),
@MM tinyint,
@YY smallint,
@ImitateID int,
@InterfaceEnd smallint, @AutoUpdate tinyint, @ShortCode varchar(7), @LastVer varchar(2), @ModuleCode varchar(12)

select @ModuleID=ModuleID from LicensedModules where Indx=@LMINDX

set @CID=@ClientID

insert user_info (ClientID) values ( @CID )
Select @UID=@@Identity

select @ModuleCode = Modulecode from Module_Info where ModuleID =@ModuleID

select @IDN = IDN, @NAME=NAME, @SaveMethod=SaveMethod, @Media=Media, @ImitateID = ImitateID from client_Info where clientid=@CID

select @AutoUpdate=Auto_Update from client_Info where clientid=@ImitateID

select @ModuleCode = Modulecode from Module_Info where ModuleID =@ModuleID

if @AutoUpdate = 1
begin
    set @ShortCode = substring( @ModuleCode, 1, 7 )
    select @LastVer = LastVer from Module_UniqueCode where MUC=@ShortCode
    set @ModuleCode = @ShortCode + @LastVer
    select @ModuleID = moduleid from module_info where modulecode = @modulecode
end

set @InterfaceEnd = NULL
select @InterfaceEnd=InterfaceEnd from Client_Logins where ClientID=@CID and priv=2
if @InterfaceEnd = NULL
set @EndURL = 'X'
else
select @EndURL=Page from op_Interface where Indx=@InterfaceEnd
```

mySql (that does not support PIVOT function) query for cross tabulation

```
2  SELECT
3      TOP 100 PERCENT Specialties.SPName AS Specialty,
4      SUM( CASE WHEN module_info.Lang = 1 THEN 1 ELSE 0 END ) AS English,
5      SUM( CASE WHEN module_info.Lang = 2 THEN 1 ELSE 0 END ) AS Spanish,
6      SUM( CASE WHEN module_info.Lang = 3 THEN 1 ELSE 0 END ) AS Arabic,
7      SUM( CASE WHEN module_info.Lang = 4 THEN 1 ELSE 0 END ) AS Vietnamese
8  FROM
9      LicensedModules
10     INNER JOIN Module_Info ON LicensedModules.ModuleID = Module_Info.ModuleID
11     INNER JOIN Specialties ON LicensedModules.Specialty = Specialties.SP
12     INNER JOIN Module_Language ON Module_Info.Lang = Module_Language.Indx
13 WHERE LicensedModules.ClientID = 91
14 GROUP BY
15     Specialties.SPName,
16     Specialties.Type,
17     Module_Info.Status
18 HAVING
19     Specialties.Type = 1 AND Module_Info.Status = 2
20 ORDER BY
21     Specialty
```

```
2  ALTER PROCEDURE [CP_Survey_Analysis]
3  @ClientID smallint,
4  @ModID varchar(10),
5  @d1 smalldatetime,
6  @d2 smalldatetime AS
7  SELECT
8      TOP 100 PERCENT Activity_Responses.QuestionNumber,
9      Activity_Responses.UserResponse,
10     COUNT(Activity_Responses.Indx) AS cnt,
11     Module_Questions.Text AS Question,
12     Module_Answers.Text AS Reply,
13     Log_Activity.ClientID
14 FROM
15     Activity_Responses
16     INNER JOIN Log_Activity ON Activity_Responses.ActivityIndex = Log_Activity.Indx
17     INNER JOIN Module_Info ON Log_Activity.ModuleID = Module_Info.ModuleID
18     INNER JOIN Module_Questions ON Activity_Responses.QuestionNumber = Module_Questions.Qcode
19     AND Module_Info.ModuleCODE = Module_Questions.ModuleCode
20     INNER JOIN Module_Answers ON Activity_Responses.QuestionNumber = Module_Answers.Qcode
21     AND Activity_Responses.UserResponse = Module_Answers.Answer
22     AND Module_Info.ModuleCODE = Module_Answers.ModuleCode
23 WHERE
24     Activity_Responses.DT BETWEEN @d1 AND @d2
25 GROUP BY
26     Activity_Responses.QuestionNumber,
27     Activity_Responses.UserResponse,
28     Module_Info.ModuleCODE,
29     Module_Questions.Text,
30     Module_Answers.Text,
31     Log_Activity.ClientID
32 HAVING
33     Log_Activity.ClientID = @ClientID
34     AND Module_Info.ModuleCODE = @ModID
35 ORDER BY
36     Activity_Responses.QuestionNumber,
37     Activity_Responses.UserResponse
```


Database export to XML for a MedlinePlus static website project

MedlinePlus: Interactive Health Tutorials - Microsoft Internet Explorer

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Address http://www.nlm.nih.gov/medlineplus/tutorial.html Go Links

Site navigation

MedlinePlus

Trusted Health Information for You

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Interactive Health Tutorials

The tutorials listed below are interactive health education resources from the [Patient Education Institute](#). Using animated graphics each tutorial explains a procedure or condition in easy-to-read language. You can also listen to the tutorial.

NOTE: These tutorials require a special Flash plug-in, version 4 or above. If you do not have Flash, you will be prompted to obtain a free download of the software before you start the tutorial.

- Diseases and Conditions**
 - [Abdominal Aortic Aneurysm](#)
 - [Acne](#)
 - [Allergies to House Dust Mites](#)
 - [Alopecia](#)
 - [Amyotrophic Lateral Sclerosis \(ALS\)](#)
 - [Angina](#)
 - [Anthrax](#)
 - [Asthma](#)
 - [Arrhythmias](#)
 - [Arthritis](#)
 - [Atrial Fibrillation](#)
 - [Back Pain](#)
 - [Brain Cancer](#)
 - [Bell's Palsy](#)
 - [Breast Cancer](#)
 - [Burns](#)
- Tests and Diagnostic Procedures**
 - [Barium Enema](#)
 - [Bone Densitometry](#)
 - [Breast Lump - Biopsy](#)
 - [Colonoscopy](#)
 - [Coloscopy](#)
 - [Coronary Angiography and Angioplasty](#)
 - [CT Scan \(CAT Scan\)](#)
 - [Cystoscopy](#)
 - [Diagnostic Laparoscopy](#)
 - [Echocardiogram](#)
 - [Echocardiography Stress Test](#)
 - [Intravenous Pyelogram \(IVP\)](#)
 - [Knee Arthroscopy](#)
 - [Mammogram](#)
 - [MRI](#)
 - [Myelogram](#)

Start Messenger Windows Explorer Internet Explorer

X-Plain Online

Account	Edit	Specialty	Modules	Offline	Promotions	Views	Tools
Path: root			Addiction Medicine	Create Pin			
			Advance Directives	Select Favorites List			
			Alternative Medicine	Select Frequently Used			
			Anesthesia	Module Updates			
			Angiography	Account Modifications			
			Audiology	Manage Offline Files			
			Cardiac Rehabilitation	Email Reviewer			
			Cardiac Surgery	Generate Offline Files			

```
1 <lesson>
2 <info>
3 <Title>Diabetes &#45; Eye Complications</Title>
4 <Author>Diabetes &#45; Eye Complications</Author>
5 <Published>08/30/2004</Published>
6 <PassScore>60</PassScore>
7 <Language>English</Language>
8 <ModuleID>db019105</ModuleID>
9 <folder>diabetes/db010105</folder>
10 <AutoAdvance></AutoAdvance>
11 <RevDate>11/29/2012</RevDate>
12 </info>
13 <s f="1_0" p="s" t="6" s="Introduction" />
14 <s f="1_1" p="o" t="9" />
15 <s f="1_2" p="o" t="9" />
16 <s f="1_3" p="o" t="9" />
17 <s f="2_1" p="s" t="2" s="How the Eye Works" />
18 <s f="2_2" p="o" t="6" />
19 <s f="2_3" p="o" t="5" />
20 <s f="2_4" p="o" t="7" />
21 <s f="2_5" p="o" t="5" />
```

Diabetes - Confeio de carbohidratos

Introducción

¿Cuáles de los siguientes grupos de alimentos tienen el mayor impacto en el nivel de azúcar en la sangre?

1 Carbohidratos.

2 Grasas y aceites.

3 Proteínas.

Incorrecto. Los carbohidratos afectan más los niveles de azúcar en la sangre en comparación con las grasas y las proteínas.

Slide 9 of 120

Salir Créditos

Volumen Repetir

accionado por la X-Plain

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Omusujja gw'ensiri

Omusujja gw'ensiri: kye ki?

Obubonero n'obuganga

Okuzibya

Mubufunze

Fuluma

English

Omukko 1 ogwa 28

EDOBOZI

TANDIKA

