

DATE: February 8, 2022

TO: City Clerk

FROM: City Representative Henry Rivera, District 7

ADDRESS: 300 N. Campbell, 2nd floor, El Paso, TX TELEPHONE 915-212-0007

Please place the following item on the (Check one): CONSENT XXX REGULAR _____

Agenda for the Council Meeting of February 15, 2022
Re-Appointment of Joseph Gutierrez to the Regional Renewable Energy Advisory
Council by Item should read as follows: City Representative Henry Rivera, District 7

BOARD COMMITTEE/COMMISSION APPOINTMENT/REAPPOINTMENT FORM

NAME OF BOARD/COMMITTEE/COMMISSION: Regional Renewable Energy Advisory Council

NOMINATED BY: City Representative Henry Rivera DISTRICT: 7

NAME OF APPOINTEE Joseph Gutierrez
(Please verify correct spelling of name)

E-MAIL ADDRESS: _____

BUSINESS ADDRESS: _____

CITY: El Paso ST: TX ZIP: _____ PHONE: _____

HOME ADDRESS: _____

CITY: El Paso ST: TX ZIP: _____ PHONE: _____

DOES THE PROPOSED APPOINTEE HAVE A RELATIVE WORKING FOR THE CITY? YES: _____ NO X

IF SO, PLEASE PROVIDE HIS OR HER NAME, CITY POSITION AND RELATIONSHIP TO THE PROPOSED APPOINTEE: N/A

HAS APPOINTEE BEEN A MEMBER OF OTHER CITY BOARDS/COMMISSIONS/COMMITTEES? IF SO, PLEASE PROVIDE NAMES AND DATES: N/A

WHO WAS THE LAST PERSON TO HAVE HELD THIS POSITION BEFORE IT BECAME VACANT?

NAME OF INCUMBENT: Joseph Gutierrez

EXPIRATION DATE OF INCUMBENT: 3/3/2022

REASON PERSON IS NO LONGER IN OFFICE (CHECK ONE): TERM EXPIRED: X
RESIGNED _____
REMOVED _____

DATE OF APPOINTMENT: 2/15/2022

TERM BEGINS ON: 2/15/2022

EXPIRATION DATE OF NEW APPOINTEE: 3/3/2024

PLEASE CHECK ONE OF THE FOLLOWING: 1st TERM: X
2nd TERM: _____
UNEXPIRED TERM: _____

Joseph Gutierrez

Education:

University of Texas at El Paso
500 W. University Ave,
El Paso, TX 79968

- Bachelor of Science degree in Computer Science with a minor in Mathematics: June 2019
- Graduating with a Master of Science degree in Software Engineering with a concentration in Cyber Secure Systems: Expected June 2021

El Paso Community College
919 Hunter, El Paso, Texas 79915

- Associate of Arts Degree with Honors: May 2015

Professional Work:

Science Applications International Company (SAIC)

October 2018 - Present

IT Systems Engineer

- Created and maintained database to manage: Bills of Materials, Work Breakdown Structures, Integrated Master Schedules, One Wire diagrams, Power Budgets, Center of Gravity Analysis, Issue/trouble ticket tracking, and other engineering design concepts under both US Army and US Air Force Contracts for the El Paso ACF site.
- Researched and analyzed courses of action based on space, weight, fit, form, function, power, heat, and cost concerns to arrive at the optimal system engineering solutions to ongoing issues and designs.
- Designed and engineered IT network server rack elevation and physical network configurations that conform to NATO TEMPEST Standards for platforms using multiple enclaves, server racks, and network medium (LTE, Fiber, Ethernet, etc.)
- Designed parts and assemblies using Solidworks that were integrated in final platforms.
- Participated in and over saw, hands on integration of network platforms in work area and on customer sites.
- Created, reviewed, and maintained Integrated Master Schedules (IMS) that track progress in several site wide IT network projects and integrations.
- Actively submitted, presented, and justified several Engineering changes to Engineering Review and Change Control Boards.

Internship

- Designed and developed a project Lifecycle Management Database that manages Bill of Materials, Purchase Lists, Budgets, Inventory, Integration Kits, and Bills of Lading.
- Full-stack developed interface for the Lifecycle Management Database mentioned above.
- Wrote executable program to interface with the database and view real time changes
- Assisted in creation of slide decks and engineering concepts for Preliminary and Critical Design Reviews
- Created renders and detailed models of engineering concepts both for preliminary feasibility analysis and informational/promotional material.
- Assisted in managing site wide Integrated Master Schedules for task and work loading of resources and platforms.
- Assisted Chief Operations Officer in managing employee contact lists, leave trackers, facilities inspections checklists, fire safety and evacuation material, and inventory lists for the site.

University of Texas at El Paso SURPASS Research Assistant

May 2017- August 2017

Research Assistant

- Worked with the CR²G (Constraint Research and Reading Group), team working under Dr. Martine Ceberio
- Referenced my background in Mechanical Engineering in conjunction with my knowledge of Computer Science to apply the work the group has done in Robust Optimization to Dynamic Systems which have many applications in engineering, network, modeling, and system analysis

University of Texas at El Paso Office of the Provost and Vice President of Academic Affairs

September 2017- December 2017

Web Developer

- Aided the department in migrating all of the network IT websites to the Cascade Content Management System
- Modernization of the network IT websites to fit the new look and feel of the UTEP web presence.
- Under the Technology Implementation Manager both for IT hardware and software re-imagining of computers, device setup, workstation set up, Ethernet rewiring, etc.

El Paso Archaeological Society Site Redesign

January 2017– February 2017

Web Developer

- Redesigning to modernize, cleaning up, and rebuilding the El Paso Archaeological Society website
- Format code for readability and ease of editing to provide the less “tech savvy” client the ability to maintain the site after initial delivery
- Provided over the shoulder training to the client and site owner\maintainer in Dreamweaver
- Website: www.epas.com

Programming Languages Known:

- Java (Advanced)
- Python (Advanced)
- C# (Advanced)
- HTML (Advanced)
- CSS (Advanced)
- C (Advanced)
- Linux Shell (Advanced)
- SQL (Advanced)
- C++ (Intermediate)
- PHP (Intermediate)
- Assembly (Intermediate)
- Aspect J (Intermediate)
- JavaScript (Intermediate)
- Haskell (Beginner)

Skills:

- Proficient using Virtual Machines
- Experienced in programming microcontrollers
- Git, Emacs, Vi, Visual Studio, VS Code, Eclipse, and Android Studio
- SolidWorks, AutoCAD, Inventor, and NX
- MATLAB and Mathematica
- Experience in System Administration
- Microsoft Office Suite Proficient
- Bilingual (English/Spanish)
- Excellent problem solving
- Analytical thinking
- Aptitude for leadership
- Works well in team and individual environments
- Mastered organizational skills
- Excels at multitasking
- Experience in coordination of community affairs (several community events)

Awards:

- National Hispanic Merit Scholar
- The Military Order of the World Wars Patrick Henry Award for Patriotic Achievement
- AP Scholar
- FBLA 2nd in State Competition (2013)
- Veterans of Foreign Wars 2nd place in Regional Essay (2015)
- Dean’s List (Fall 2013 & Spring 2014)
- FBLA 3rd in Regional Competition (2013)
- 3rd Sun County Regional Science Fair (2012)
- 1st District Science Fair (2012)

Community Service/ Involvement:

Neighborhood Leadership Academy(2019-Present):

- Actively participating in programs to provide and receive information about services in El Paso
- Helping to organize community events and outreach.

Travis White Neighborhood Association (2016- Present):

- Acting as Vice President, Secretary, and webmaster for the neighborhood association,
- Actively recording minutes of meetings and helping to organize community events and outreach.
- Building, designing, and maintaining the neighborhood association website.

ASME Member (2015-2017):

- Member of the University of Texas at El Paso Chapter of the American Society of Mechanical Engineers.
- Using knowledge of CAD software to help team in designing a superefficient pod car for the Shell Eco-Marathon challenge.

St. Vincent de Paul Member (2014-2018):

- Serving as the diocesan technology advisor helping to create and maintain the diocesan website and create presentations for meetings.
- Actively attending and participating in conference meetings and serving in various community outreach programs.

Department of Defense Clearance: Active since March 2019