

Frank Cisneros

Embedded Software Engineer

Richardson, TX

-Email me on Indeed: <http://www.indeed.com/r/Frank-Cisneros/bd833b330ae4cc27>

Work Experience

Embedded Software Engineer

Leonardo DRS - Richardson, TX

October 2018 to Present

Working in C to develop embedded code which will run in a FPGA or ASIC devices.

Adding/editing modules in embedded operating systems which worked with different peripherals/communications such as flash devices, SPI, I2C, UART.

Developed protocols to ensure data between hardware was keep correct using header and checksums.

Developed host applications in C# which services as an easy medium in communicating with hardware.

Teaching Assistant

Texas A&M University - Corpus Christi, TX

January 2016 to May 2018

Teaching 3 in-class labs which had 70+ students enrolled per semester, the labs covered a range of material from basic derivative, integrals to multivariable calculus. For these labs, we used MATLAB to solve the problems and

to plot the equations. Over the last year, I rewrote the labs for Calculus III the labs incorporated more of MATLAB to given the students a visual representation of 3 dimensional graphs, spherical coordinates, etc. As a

teaching assistant, we were also given the responsibility to grade the student's labs in a time efficient manner and provide feedback on the problems they made mistakes on.

Contractor/ Help Desk

eBryIT, Inc - Corpus Christi, TX

June 2015 to August 2015

June 2016 - Sept. 2016

Deconstructing of current computers and setting-up computers for Corpus Christi Independent School District

(CCISD). This would be setting up the monitors and towers for each classroom in a school building, installing

Windows 10 and Microsoft office to the computers via the network or a USB if the computer could not establish

a connection to the network. To those computers which could not connect to the school network automatic, then

we would set up the computer manual to the network if the issue could not resolved, we replaced damaged ports

and wiring. We would also connect each classroom computers to the printer in that room, also to the television or devices the teacher wanted.

ADDITIONAL SKILLS AND INFORMATION

- Senior Capstone (BS Degree) created a desktop application which connect to a database, calendar, website, mobile, and several other things that provided notifications to the client that provided information about a patient.
- Fixed computers at a component level, established raids, and repaired corrupted hard drives.
- Office Tools: Microsoft Word, Excel, PowerPoint, Outlook
- Quick learner with a passion for learning new information, great multitasking and organization skills, and outstanding team member.
- Used cluster and switches to use virtual machines

Computer Science Tutor (CASA)

Math - Corpus Christi, TX

August 2011 to July 2015

A peer-to-peer or group tutoring, I helped students to understand the concepts in their courses and how they can

approach similar problems. As a mathematics tutor I helped students from college algebra to differential equations as well as other courses. Demonstrating to students step-by-step processes on how to approach

problems also explaining concepts and notes from their lectures. Tutoring computer science was mainly helping

students debug their code in several languages such as C++, JAVA, C#, MATLAB, F#, etc. Also help students/groups on how they can start on a program or if their logic made sense on how they approached a problem. As a tutor we worked as a team since there are tutors who could explain a concept better or a different

way. This helped in teamwork and made sure that students received the helped they were looking for.

Education

Master of Science in Mathematics in Mathematics

Texas A&M University - Corpus Christi, TX

May 2018

Bachelor of Science in Mathematics in Mathematics

Texas A&M University - Corpus Christi, TX

May 2015

Bachelor of Science in Computer Science in System Programming

Texas A&M University - Corpus Christi, TX

May 2015

Skills

- MATLAB (6 years)
- C# (3 years)
- C++ (3 years)

- JAVASCRIPT
- JAVA (3 years)

Additional Information

PROGRAMMING SKILLS

JAVA (5 yr) C++ (5 yr) C (5 yr) C# (3 yr)
SQL (3 yr) MATLAB (5 yr) Prolog (2 yr) HTML5 (2 yr)
CSS3 (2 yr) UNIX (3 yr) Windows (5 yr) Scheme (2 yr)
Python (4 yr) Perl (2 yr) Processing (2 yr) JavaScript (3 yr)