JOSE A SANTOYO GUILARTE

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OBJECTIVE

Seeking a challenging position where I can apply my knowledge and practical abilities regarding software and hardware engineering, which will contribute to my personal and professional growth

EDUCATION

CARLETON UNIVERSITY OTTAWA, ON
BACHELOR OF COMPUTER SYSTEMS ENGINEERING   2011-2017

SKILLS

- Docker, Kubernetes
- Linux OS
- Gitlab CI/CD
- VSphere
- Odoo ERP, CRM
- Computer networking and layered protocols architectures
- Programming Languages (Java, C++, python, html5, JavaScript, Angular, Assembly), UML
- MatLab and Simulink
- Xilinx ISE Design suite and OrCAD Cadence
- ProE 3D modeling software
- Arduino IDE software
- Verilog HDL

Inteloom Inc 2017 - Present (Quality Assurance Eng. / DevOps Specialist)

- Oversee quality assurance process for all Inteloom projects
- Oversee maintenance and upkeep of automation tools
- Advice on QA best practices and methods
- Build automated deployments through the use of configuration management technology and CI/CD practices
- Make modules ready for production, which entails moving them according to specific procedures and documenting knowledge transfer
- Routine application maintenance tasks
- Troubleshoot existing information systems
- Deploy new modules, upgrades and complete fixes within the production environment

The Handmade Bride 2017 (Web Developer and Business Analyst)

- Managing the business website, keeping it updated with all the content provided by the business owner
- Designing developing and implementing the business e-commerce's site

Medical Glossary for aboriginal interpreters web app 2016

- Developed a web application which functionality is to provide translations of medical terms from English to Cree language.
- Worked on basic knowledge of html5, CSS, AngularJS and JSON database • Contributed with the design of the relational database used in the project.
- Worked in an agile environment.

WORK EXPERIENCE AND PROJECTS

Linux OS 2015-2016

- Built a producer/consumer program using C language.
- Implemented different scheduling policies with the purpose of study concurrent programing and message passing.
- Analyzed concurrency in a Linux environment and gained knowledge of IPC in distributed systems.

Systems Development – Liquid flow meter 2015-2016

- In this project a remote liquid dispenser system was designed and developed. Two Raspberry Pi microcontrollers were used to allow communication between the remote client and server via UDP IP protocol.
- Interfaced raspberry Pi with the electronic components of the dispenser valve.
- Collaborated with the implementation of the GUI using Java language.
- Programmed a client/server UDP IP communication using Java and python.
- Solved IPC issues related to the concurrency of the program.
- Strengthened communication skills and ethical team collaboration.

Real Time concurrent Programming – Client-Server FTP 2014-2015

- The purpose of this project was to learn the concepts of concurrency granularity.
- Differences between Processes and Threads using Java virtual Machine, to exploit parallelism within a system.
- Implemented FILE TRANSFER PROTOCOL (FTP) in a Client-Server based program interface, using Eclipse API and java language.

MATLAB and SIMULINK 2013-2014

- Experienced in dealing with Laplace Transforms, Transfer Functions for Dynamic Systems, Simulation through analogous systems and analog computers(mechanical and Electrical System) using. Analysis of Pole and Zero Locations of a System in Transient Analysis. (in MATLAB and SIMULINK).
- Built models for performing DSP and analyzing discrete-time systems and filters

EXPERIENCE LEADERSHIP

Inspira youth leadership conference 2016

Sub-Coordinator

- Worked along with coordinator on a shared responsibility. Managed the executive team
- Helped each team member with their tasks, provided logistics, and any resources needed to the team of volunteers.

Humanitarian Organization of Latin American Students (H.O.L.A.S) 2014-2015

Vice President External Affairs

- Responsible for the communication and collaboration with other organizations
- Organized fundraising events for humanitarian programs in Latin America
- Coordinated meetings and organization for the cultural events committee
- Maintained H.O.L.A.S website and managed social networking for the organization.

VOLUNTEER EXPERIENCE

LOCURA LATINA FUNDRAISER GALA 2014

H.O.L.A.S Carleton

- Collaborated in the organization of a fundraising Gala event for over 550 people.

LATIN FEST WEEK-CARLETON UNIVERSITY 2014

H.O.L.A.S Carleton

- Planned and organized the week-long schedule of cultural shows and performances
- Engaged in public speaking for large and small audience attendees.