SEBASTIAN TORRES

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EDUCATION

University of Colorado - Boulder

Bachelor in Computer Science

Aug 2019 – May 2023 | Boulder, Colorado

RELATIVE EXPERIENCE

System Development Engineer

Amazon - Seattle

06/23 - Current

Primary Tools Used: Command Line, Systemd, Python

- Member of the AWS Device Farm Infrastructure team working on creating and maintaining the ability to test apps on real Devices in the cloud

Unix System Administrator

University of Colorado - Boulder

05/21 - 05/23

Primary Tools Used: Chef, Ansible, Command Line, Unix, Ruby

- As a Unix Administrator I install, configure, and maintain UNIX operating systems, mostly Redhat systems. I analyze and resolve customer problems associated with the operating system's servers, applications, and software.

System Engineer Intern

Amazon - Seattle

06/22 - 09/22

Primary Tools Used: Command Line, Systemd, Python

- As a System Engineer intern I helped the Device Farm team automate an integral part of their routine. I accomplished this by creating a python module that was run on a server as a daemon with systemd.

Introduction To Robotics

CSCI 3302

Primary Tools Used: Python, Webots

- This class introduced me to fundamental concepts in autonomous robotics: mechanisms, locomotion, kinematics, control, perception and planning. It consisted of lectures and lab sessions that are geared toward developing a complete navigation stack on a robotics simulator.

Computer Science 2: Data Structures

CSCI 2270

Primary Tools Used: C++

- Data Structures was the first course I took in C++. It covered data abstractions (e.g., stacks, queues, lists, trees, graphs, heaps, hash tables, priority queues) and their representation techniques (e.g., linking, arrays). Introduces concepts used in algorithm design and analysis including criteria for selecting data structures to fit their applications.

Concurrent Programming

CSCI 4313

Primary Tools Used: C++, Multi-Threading

- This class introduced the theory and practice of multicore programming. The first part of the course presented foundations of concurrent programming: mutual exclusion, wait-free and lock-free synchronization, spin locks, monitors, memory consistency models. The second part presented a sequence of concurrent data structures and techniques used in their implementations (coarse-grained, fine-grained, optimistic and lock-free synchronization).

ABOUT ME

- Detailed and solution-oriented computer science major with a wide variety of IT tools ready to expand his real world experience. Background in leadership roles with a very curious mind ready to take on any challenge.

SKILLS

Problem Solving | Analytical Mind | Learning Potential | Organization | Multitasking | Detailed | Adaptability

IT TOOLS

HTML/CSS
PostgreSQL
C/C++
Docker
Python
Git
Unix
Java

HOBBIES

Weights | Jiu-Jitsu | Hiking | Movies | Reading