José Arturo Lemus Ortiz

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EDUCATION

Tufts University, Medford, MA
Bachelor of Science in Computer Science, Expected May 2019
GPA: 3.25, Dean's List
Questbridge Scholar

SKILLS

Programming Languages: C, C++, MATLAB, HTML, CSS, JavaScript, Python, SQL
Related software: Git, Heroku, MongoDB

RELEVANT COURSES

Introduction to Computer Science; Computational Modeling and Design; Introduction to Computing in Engineering; Data Structures; Discrete Mathematics; Machine Structure and Assembly-Language Programming; Programming Languages; Algorithms; Computational Theory; Web Programming; Operating Systems; Networks; Database Systems; Computer System Security

PROJECTS

Distributed Hash Table
- Wrote a C program that creates a decentralized distributed system used to upload and download data to nodes using SHA1 hashes as keys, and TCP for transfers

Inactivity and Slouching Detector
- Built an IoT device that logs the time a user spends sitting and monitors slouching
- Created a website that plots the data on a website using Google Charts

Port Scan and Password Detector
- Wrote a python script that detects ongoing port scans and passwords sent in cleartext using the pcapy module, and scapy

Music Guessing Game
- Created a website for guessing the name of songs using Spotify and Facebook APIs, and worked on the backend storing user data on a MongoDB instance

EXPERIENCE

Lemus Painting, Mamaroneck, NY   March 2011 - Present
Assistant
- Wrote invoices, scheduled on-site work, and served as a Spanish-English translator

Insight Venture Partners, New York City, NY   May 2015 – August 2015
Database Intern
- Researched private companies and updated information on the firm's database
- Helped improve a web interface for the firm's database

Freelance work, Rye, NY   May 2014 - October 2014
Tech Support
- Taught customers how to use Microsoft Office software and complete basic tasks
- Updated customer computers and installed security software

McDonald's, Mamaroneck, NY   May 2013 - August 2013
Cashier
- Communicated effectively with team and customers while multitasking
- Rewarded by management for providing good service to a mystery shopper