JONATHAN PICAZO

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OBJECTIVE

My goal is to obtain a full time CS-related job this summer. My main interests are systems engineering, web development, and cybersecurity. I have 2 projects listed in this resume that I built with React. I have a lot of Linux experience and I'm very comfortable working with a terminal. I am exceptionally knowledgeable with technology and have experience setting up computer hardware and software.

EXPERIENCE

Private Tutor
Self-Employment

● Fall 2018, Fall 2019   ● Riverside, California

- Tutored Object Oriented Programming in C++
- Taught clients the fundamentals of programming, useful C++ libraries, and supported data types such as vectors.

PROJECTS

Basketball Stats React Web App
https://github.com/jonathanpicazo/NBA-Stats-React

● React(HTML/CSS/JS), Python(Flask) ● Web Development

The web application uses an existing NBA statistics database from Kaggle to perform search queries. This application is essentially a search application for specific NBA statistics (best home team, best shooter, etc.). This project made me comfortable with having a backend communicate with the frontend.

LED Pong
https://github.com/jonathanpicazo/LED-Pong

● C   ● Embedded Systems

I recreated Pong on a breadboard with an ATMega1284. The game is displayed on a 8x8 LED Matrix. There are two buttons for each player to control the paddle. I used avr-gdb for debugging purposes.

Basketball Crawler
https://github.com/MarcJimenez99/BasketballCrawler

● React, Python   ● Information Retrieval, Web Development

This project includes a web crawler, indexer, and a web application extension. The crawler is built with Python and the BeautifulSoup library. The indexer is built with ElasticSearch, and the web application is built with React and Flask. The project crawls through basketballreference.com and indexes the contents with ElasticSearch. The web application is used as a search bar to search the index.

xv6-riscv Edit
https://github.com/jonathanpicazo/xv6-riscv.git

● C   ● Operating Systems

I made edits to the xv6 risc-v operating system. This project taught me how make edits and work with pre-existing code. Some of the edits made were adding system calls, changing the file system, and modifying memory allocation.

KNOWLEDGE IN

Data Structures and Algorithms

Object-Oriented Programming

Web Development

Information Retrieval

Embedded Systems

STRENGTHS

Hard-working   Eye for detail

Motivator & Leader   Perfectionist

SKILLS

Python   C/C++   Java   JavaScript

React   SQL   Linux   Bash

LANGUAGES

English   ●●●●●

Spanish   ●●●●●

EDUCATION

B.S. Computer Science
University of California, Riverside

● Fall 2018 – June 2021