Matthew Yapjoco

Computer Science Major at the University of Nevada Las Vegas
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About Me

Technical Skills	C / C++, Java, JavaScript, HTML, CSS, PHP, x86 Assembly / MIPS, MATLAB, Tableau, R Studio, MySQL, Object Oriented Programming, Arduino, VS Code, Linux, BASH, Python, React Native
Project Mgmt	GitHub, SmartSheets, Sales Force, Zoho, Jira
Links	https://www.linkedin.com/in/yapjoco/ https://www.yapjoco.com/

Professional Experience

Teaching Assistant | UNLV Howard Hughes College of Engineering — Aug 2021 - May 2023

- Courses: Social Implications of Computer Technology, Computer Security, & Introduction to Engineering
- Create lesson plans and lead introductory course lab weekly.
- Tutor individual students in introductory computer science courses (C++ & Assembly).

STEM Summer Camp Instructor | National Science Foundation with UNLV — Mar 2021 - Aug 2021

- Co-mentored over 50 students between 6th and 12th grade.
- Encouraged students to pursue careers in STEM and taught the importance of diversified industries.
- Led 2 groups of 5 students in Arduino based projects (software & hardware).
- Designed and developed 4 of the major projects (including projects for other teams)

Research Analyst | Sunbelt Development & Realty Partners — Mar 2017 – Dec 2020

- Analyzed large data sets to find commercial real estate market trends and opportunities.
- Produced reports of valuations for investment decisions (acquisition and disposition for homebuilding companies).
- Specialized in residential development land sites between 5 and 100 acres with price points between $1m and $50m.
- Communicate with new and existing clients (customer service).

Projects

Online Weather Application [link]

- HTML / JavaScript / CSS / 3rd Party API
- Uses a 3rd party API (OpenWeatherMap.org API) to pull weather data and display it based on user search input.
- Changes background image based on user search input.

Elevator Simulation (Embedded System) [link]

- Intel Quartus / DE0-CV Board (Altera Cyclone FPGA Device)
- Implements digital design logic gate circuit schematics to simulate an elevator.
- Displays current floor the elevator is on (whether stationary or moving) and when the door is opening or closed.
- Allows for elevator requests from different floors.

VolunteerOne Mobile Application [link]

- React Native / Expo / JavaScript
- Social media application that connects volunteers with organizations.

Smart Parking Lot (Arduino) [link]

- Arduino Microcontroller / C Programming / Proximity (Distance) Sensor / LCD / Wi-Fi Module / Blynk App
- Utilizes Arduino microcontroller board and proximity sensors to identify available parking spaces.
- Displays the count of available and total parking spaces on an LCD screen and connects to the Blynk App to display the information on mobile devices from anywhere with internet access.

Education

University of Nevada Las Vegas — Graduation: May 2023

- Majors: Computer Science & Finance
- Minor: Mathematics
- Relevant Courses: Data Structures, Algorithms, Operating Systems, Web Dev, Statistics, Programming Languages, Digital Logic Design (Embedded Systems), Physics
- Extracurriculars: Engineering Peer Mentor, Association for Computing Machinery (ACM), Rebel Investment Group, Kappa Sigma Fraternity, Rebels Forward Mentorship Program Participant