

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	
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 - Present
- 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.
- 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 Wi-Fi.

Education

- University of Nevada Las Vegas** Expected Graduation: May 2023
- Majors: Computer Science & Finance
 - Minor: Mathematics
 - Relevant Courses: Data Structures, Algorithms, Compilers, Operating Systems, Web Development, Calculus Based Statistics, Compiler Construction, Programming Languages, Digital Logic Design (Embedded Systems), Physics, Linear Algebra, Mathematics
 - Extracurriculars: Engineering Peer Mentor, Association for Computing Machinery (ACM), Rebel Investment Group, Kappa Sigma Fraternity, Honors College, Rebels Forward Mentorship Program Participant