Jasem Ali

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Stockton, CA, 95211

EDUCATION

BACHELOR OF ELECTRICAL ENGINEERING – *June 2020 - December 2023*
University of The Pacific, Stockton CA

➤ GPA 3.78   ➤ Dean's Honors (2020- Present)
➤ Member of Tau Beta Pi Engineering Honor Society

RELATED COURSES

➤ Microcontrollers   ➤ Computer Systems & Networks
➤ Web Applications   ➤ Digital Design
➤ Electronics   ➤ Data Structures
➤ Circuits   ➤ Random Signals

EXPERIENCE

WEB DESIGNER – *May 2022 – August 2022*
The Rose Art Gallery - Kuwait

- Met and worked with the artist to determine the functionality and design of the website.
- Utilized Adobe and Canva to create templates to view the website and determine any possible changes the artist may request.
- Established the basic structure of the website using HTML and then fabricated the designs and styles using CSS and PHP to develop a dynamic website.
- Constructed the communication functionalities and features (E.g. Contact Us page) using Java.

C++ PROGRAMMING TUTOR – *September 2018 – June 2019*
Al Bayan Bilingual School - Kuwait

- Efficiently communicated with and assisted students with developing their programs and fixing their bugs and errors.
- Helped students understand programming topics by explaining them in a way they would comprehend.

PROJECTS

DEVELOPING A PORTFOLIO WEBSITE (Jasemali.net) – *December 2022*

- Composed the basic look of the website using HTML, and then styled it using CSS.
- Independently learned how to upload and host the files to the internet (Github pages and Google Domains).

BUILDING AN MP3 PLAYER – *August 2022 – December 2022*

- Using the manual sheet for the Tiva™ TM4C1294NCPDT Microcontroller and my knowledge in C and ARM Assembly, I programmed the main parts of the MP3 player.
- Learned about different communication protocols (UART, I2C, and SPI) and implemented SPI to integrate the microSD with the microcontroller.

MIPS TO MACHINE LANGUAGE USING PYTHON – *August 2022 – December 2022*

- Learned how to use Python on Linux operating system to implement the conversion between MIPS Assembly and Binary Machine Language.
- Planned out my program using flow charts to easily determine all possible cases.
- Tested my code and debugged my code in an organized and methodical fashion.

SKILLS

C++, Python, HTML, CSS, PHP, Circuits, C, MATLAB, Java, Latex Overleaf, Digital Multimeter, Oscilloscope, Waveform Generator, Electronics, Arabic & English.

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