George Bittar

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OBJECTIVE

Third year Electrical Engineering student with a concentration in Computer & Embedded Systems seeking an internship.

EDUCATION

University of Houston | Houston, TX
B.S in Electrical Engineering | GPA: **3.99** *Expected Graduation,* **December 2022**

WORK EXPERIENCE

Hewlett Packard Enterprise | Houston, TX
Supplier Quality Engineer Intern **May – Aug 2021**

- Worked closely with supplier and manufacturing partners to maintain and improve quality standards for cables and batteries
- Created multiple scripts in Python using pandas to automate the collection and processing of data from performance and testing reports to identify trends and issues
- Initiated and led department-wide presentations to onboard employees to a newly introduced company messaging platform
- Developed skills in Power BI to create a dashboard that displays commodity and supplier performance and variance in a visual and dynamic manner

University of Houston | Houston, TX
Lead Undergraduate Teaching Assistant for MATLAB **Jan 2020 – Present**

- Mentored over 300 students and improved their performance by applying new teaching methods and troubleshooting erroneous MATLAB code
- Led initiatives for excelling students such as coding competitions, LinkedIn skill badges, and involvement in HPE's micro-credential in Data Science
- Increased student confidence by serving as a leader and role model in their professional, academic, and student life

TECHNICAL PROFILE

- **Languages:** C, MATLAB, Python, C++, Assembly, Java
- **Software:** Power BI, VS Code, Microsoft Office Suite, LogicAid

PROJECTS

COVID-19 CT Scan Classification Using CNNs **Spring 2021**

- Used MATLAB's deepNetworkDesigner to apply transfer learning on 7 pre-trained CNN to classify if CT Lung Scans had COVID-19
- Created a script to interact with the user that would show sample images, performance of each CNN, and classify input images directly from the user

LED Audio Spectrum Analyzer **Spring 2021**

- Designed and created a circuit that outputs the amplified input signal and visually displays the signal in an LED matrix
- Created a second order active low pass filter to capture frequencies < 200 Hz. Breakpoint was created by calculating the transfer function and using specific valued resistors and capacitors

EXTRACURRICULAR

- **Cougar AI |** Vice President **Aug 2021 – Present**
- **Society of Women Engineers** | Member **Jan 2021 – Present**

AWARDS & HONORS

NAE Challenge Summit Award | Academic Excellence Scholarship | Cougar Engineers Scholarship