Eyad Nazir

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EDUCATION

Texas A&M University **College Station, TX**
Computer Engineering *Graduation Date: Dec 2024*

- 4.0 GPA
- Key Coursework: Data Structures and Algorithms, Digital System Design, Computer Architecture, Computer System and Network Programming, Computer Security Concepts

WORK EXPERIENCE

Siemens USA **Grand Prairie, TX**
ELDP (Engineering leadership Program) Intern *05/2023 to 08/2023*

- Optimized system performance by integrating new devices into an advanced innovative API for Breaker digital twin, enabling real-time monitoring and control while achieving significant performance improvements.
- Developed and executed a detailed project plan for the Tesla breaker conversion project, reducing retrofitting efforts and improving overall efficiency.
- Utilized word cloud insights generated from the NLP model to prioritize product improvement initiatives, resulting in a reduction in customer complaints related to circuit breaker functionality.

Royal Carriages Limousines **Houston, TX**
IT Systems Administrator *10/2019 to 07/2020*

- Managed, troubleshot, backed up and restored data, operating systems, files, documents and drivers to provide comprehensive systems management and support.
- Developed an algorithm that optimized storage space for 200K records while preserving retrieval speed of 0.2 seconds per query.

PROJECT EXPERIENCE

Quadcopter Drone project **Houston, TX**
Software and Digital Design Engineer *05/2022 to Present*

- Designed the drone's flight control circuit board (microcontroller, sensors, actuators)
- Developed drone navigation software (GPS, sensors, mapping, localization integration)
- Designing and maintaining drone control software (flight, navigation, sensor systems)

University of Houston, NAE (National Academy of Engineering) **Houston, TX**
Team Lead *01/2021 to 05/2021*

- Developed satellite data processing program to identify failure points, enhancing launch success and maintenance efficiency.
- Optimized orbital conditions, minimizing space debris, improving cost-to-performance ratio.

SKILLS & HONORS

Skills: Utilizing Data structures for optimization, Java, C, C++, C#, Python, Verilog, VHDL, SQL, Assembly, HTML, R, Linux Shell Scripting, Knime, Tableu, Software Development, Statistics, Probability, Data analytics, Machine Learning, Digital Design, AWS, design verification (FPGA), Microsoft Office Applications

Awards and Achievements: *Aggie Engineering Grant, Aggie Assurance Supplement Grant*, *Federal SEOG Grant,* Perfect Score on Math A-level IGCSE course from Cambridge, Dean's Honor List,

Languages: English & Arabic (Fluent), French (Not-Fluent)