**Mohammad Navid Qarizadeh**

Dubai, United Arab Emirates (UAE)

+ 971 54 754 4042

navidqrzh@gmail.com

# OBJECTIVE

I am a proactive and driven computer engineering student at the American University of Sharjah, actively seeking to join a senior design group where I can apply my technical knowledge and skills in a collaborative, real-world engineering environment. With a strong foundation in software and hardware engineering, problem-solving abilities, and a passion for innovation, I am eager to contribute to the successful completion of complex projects while further developing my expertise. I am committed to contributing to the group’s goals and enhancing my learning through hands-on experience and teamwork.

# EDUCATION

|  |  |
| --- | --- |
| 2020 - Present | **American University of Sharjah** (AUS), Sharjah, UAE  Bachelor of Science in Computer Engineering (Senior I)  Expected graduation date: June 2025 |
| 2017 - 2020 | **Towheed Internation School** (TIS), Al Qouz, Dubai, UAE |
| **ACHIEVEMENTS** | Full IB Diploma  American High School Diploma Graduated top 1% of class |
| 2020 | Received the AUS Outstanding Merit Scholarship |
| 2019 | Outstanding Achievement Certificate at TIS for Grade 12 |
| 2018 | Outstanding Achievement Certificate at TIS for Grade 11 |
| 2017    **WORK EXPERIENCE** | Outstanding Achievement Certificate at TIS for Grade 10 |

# Jan 2022 - Present Harvest Food L.L.C, Dubai, UAE

*Chief Operating Officer and IT Manager*

* Designed and developed a responsive company website using HTML.
* Implemented interactive features to enhance user experience and engagement.
* Orchestrated an exclusive distribution contract with one of the biggest food companies in the middle east.
* Introduced multiple brands into the UAE market.
* Oversaw financial planning, budgeting, and analysis to ensure the company’s financial health and growth.
* Planned and executed marketing events (Internation Exhibitions) to drive high sales and increase brand visibility.

# RELEVANT COURSE PROJECTS

* **CMP 120 Programming I**: Learned programming fundamentals using **C++**. Covered essential topics such as variables, data types, control structures (if statements, loops), functions, arrays, and basic input/output operations. Our project was developing a hangman game and a calculator.
* **CMP 220 Programming II**: Worked on object-oriented projects throughout the semester. A simple banking system, library management, incorporating OOP principles and data structures to manage user interactions and data efficiently.
* **COE 221 Digital System:** Covered topics such as number systems, Boolean algebra, logic gates, combinational and sequential circuit design, flip-flops, counters, registers, and memory systems. Designed a binary calculator and a simple traffic light controller, using combinational and sequential logic components.
* **COE 241 Microcontrollers:** Designed a microcontroller-based system, an automated sensor based device. Coded device components to be used by inputting service and receiving the result on an output device.
* **COE 312 Software Design for Engineers:** Developed software knowledge and building operating systems using Java. For the course project, as a team we developed a game.
* **COE 341 Computer Architecture:** Designed microchips capable of implementing shift, ALU, and logic functions.
* **COE 370 Communication Networks:** Covered topics such as network architectures, the OSI model, TCP/IP protocols, routing, switching, error detection, and flow control.
* **COE 371 Computer Networks:** Configured IPs to connect multiple networks and enhance security protocols. Set up Virtual Private Networks (VPNs) and developed private networks for organizations, ensuring secure and efficient communication.
* **COE 410 Embedded System:** Covered topics such as embedded system architecture, microcontroller programming, hardware-software integration, input/output interfacing, and power management. Worked with Raspberry Pi.
* **CMP 305 Data Structure and Algorithm:** Efficiently redesigned codes to run faster and smoother. Implemented sorting algorithms (e.g., quicksort, merge sort, and heapsort).
* **CMP 444 Cyber Security:** Learned to identify vulnerabilities, perform penetration testing, and implement incident response strategies. Explored the latest challenges in areas like cloud security, IoT, and blockchain.
* **ELE 241 Electronics I:** Designed and tested a DC Power Supply Unit using rectification, filtering and voltage regulation techniques
* **ELE 341 Electronics II:** Designed and implemented an amplifier circuit, including designing and testing filters to enhance signal quality. Conducted experiments to analyze the performance of different amplifier components and optimize circuit functionality.
* **ELE 323 Signal Processing**: Designed and implemented a digital filter to process signals, removing noise from an audio signal.
* **MGT 201 Management:** Covered a team project analyzing a case study of PWC, identifying management challenges, and proposing solutions based on management theories and concepts learned throughout the course.
* **NGN 110 Introduction to Engineering and Computing**: Redesigned the AUS library to be more sustainable and energy zero by implementing solar panels. Implemented covid 19 rules and precautions throughout the library.
* **NGN 111 Introduction to Statistical Analysis:** Understanding of basic statistical concepts and methods used in engineering and scientific data analysis.
* **ENG 207 Professional Communication for Engineers:** Developed technical writing and professional communication skills through Engineering multi-disciplinary project (EMDP). Analyzed, through EMDP and teamwork, the distinctive features of various professional genres. Developed and enhanced work ethics, leadership, interpersonal and decision-making skills.

# COMPUTER SKILLS

* Visual C++ and C programming
* Java & Java Script programming
* Python programming
* Assembly language
* Data structure and algorithm
* OrCad PSpice simulation
* Matlab
* Microcontroller Programming
* Microsoft Excel
* Circuit Design and Simulation
* Web Development
* PCB Design
* Communication Protocols

# ADDITIONAL SKILLS

# Soft Skills

* Capable of excellent presentation skills
* Pays attention to detail
* Works well in teams
* Meets deadlines and respects punctuality
* Handles pressure well
* Possesses strong writing skills
* Responsible
* Problem Solving
* Creative

# Languages

* English Fluent
* Persian Fluent
* Arabic Intermediate

# References

References available upon request.