
MOHAMMAD DAOUD

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EDUCATION

Rutgers University: *Bachelor of Science*

New Brunswick, NJ Sep 2021 - May 2025

- Major in Electrical and Computer Engineering | 3.20 GPA | Minor in Military Science

PROJECTS

Capstone: *Drink Sync*

Rutgers University 09/2024 - 05/2025

- Designed and developed a portable hydration-tracking device that attaches to any water bottle, utilizing weight sensors to monitor water intake
- Implemented microcontroller programming to process real-time sensor data and calculate fluid consumption
- Applied principles of circuit design / PCB layout to create compact and energy-efficient electronic systems
- Developed embedded firmware using C/C++ for data processing and user notifications.
- Utilized wireless communication protocols (e.g., Bluetooth Low Energy) to sync data with a mobile application for user interaction.
- Demonstrated project management skills by overseeing the development lifecycle from concept to functional prototype

EXPERIENCE

Apple: *Technical Specialist*

Freehold, NJ 02/2022 - Current

- Completed troubleshooting and diagnostics utilizing company resources
- Translated complex technical issues into digestible language for non-technical users
- Suggested software and hardware modifications to improve overall functionality
- Resolved diverse range of technical issues across multiple systems and applications for end-users
- Assisted customer in identifying issues and explained solutions to restore service and functionality
- Thoroughly documented support interactions for future reference

U.S. Army (Reserve): *Network Operations Officer (O-1)*

Fort Dix, NJ 12/2021 - Current

- Active Security Clearance
- Design, implement, and maintain secure voice, data, and information communication systems.
- Plan and manage large-scale communication infrastructure in high-pressure environments.
- Supervise technical teams to ensure optimal performance of advanced communication networks.
- Troubleshoot and resolve complex system issues to maintain uninterrupted operations.
- Apply systems engineering principles to develop and execute tactical communication solutions.
- Ensure cybersecurity measures for sensitive communication networks.

EZ Clinical Laboratory: *Lab Accessioner*

East Brunswick, NJ 12/2020 - 06/2021

- Maintain daily tasks to keep machines operable and intact
- Run diagnostics to ensure inspection of machines
- Meticulously maintain records, such as pharmacy files, patient profiles, charge system files, and inventory
- Increased productivity through efficient use of laboratory equipment such as centrifuges, pipettes, and analyzers.

SKILLS

- Java | Python | Swift | C | C++ | JavaScript | RISC-V Assembly | MATLAB | Verilog | PyTorch | Arabic (fluent)
- Embedded Development | Unit Testing | OOP | IOS / WatchOS Certified | LTSpice | AutoCAD | Solidworks | Secret Security Clearance