Omar Mahmoud

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Summary

• Design & programming systems through engineering analytical skills.
• Software development, debugging & troubleshooting of bare-metal applications.
• Developed low level drivers and embedded software in C/C++ for different sensors and microcontrollers.
• GNU/Linux , Ubuntu user.
• Basic knowledge with CMake, GNU Make .
• Familiar with MATLAB, GNU Octave & Python.
• Interested in Control systems engineering, Robotics, Embedded systems, Mechatronics.

Experience

Design Engineer
DezignArena

Aug 2021 - Present (11 months +)
Embedded software development, debugging & troubleshooting of bare-metal applications.
Developed low-level drivers for different sensors and micro-controllers in C/C++.

Design Engineer
iHub: Innovation Hub

Mar 2020 - Jul 2021 (1 year 5 months)
Responsible for mechatronics deign and integration of subsystems
Enhanced designs to cut development effort.

Design Engineer
BEEC

Aug 2018 - Mar 2020 (1 year 8 months)
Designed consumer electronics products enclosure.
Provided PCB boundaries, connectors placement for HW team.

Academic Committee Member
Assiut Robotics

Apr 2015 - Jul 2017 (2 years 4 months)
Responsible for revision and validation of team's designs.
Mentored a team that won Minesweeper national competition.

Education

Assiut University
Bachelor's Degree, Mechatronics, Robotics, and Automation Engineering
Sep 2013 - Jun 2018

Skills

Firmware • Embedded C • C (Programming Language) • Embedded Software Programming •
Debugging • Device Drivers • C++ • Control Systems Design • Mechatronics