MS Mina Sayed

An Embedded Software Engineer with entry-level experience specializing in software development, microcontrollers, hardware design, and firmware. Adept at identifying opportunities to enhance hardware and software performance for large-scale technology implementations.

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Professional Experience

Embedded Software Engineer

Optics Design Corp., Detroit, MI May 2021 – Present

- Design, develop, and enhance embedded software for electronic optical equipment in collaboration with the engineering team, including the development of communication interfaces and integrated microprocessors
- Coordinate with R&D teams for embedded software design and implementation, including the development of critical product features and functionalities
- Interface with product owners, stakeholders, and cross-functional teams throughout the SDLC to define software requirements and enhance value for customers and end-users

Embedded Software Intern

Ark Tech Systems, Detroit, MI January 2021 – May 2021

- Supported the engineering team in defining software requirements and documentation for new product development of embedded systems
- Conducted coding in C and C+ for manufacturing assemblies, performed troubleshooting and debugging activities, and documented bug fixes in the knowledge base

Education

Bachelor of Science (B.S.)
Software Engineering
University of Michigan, Ann Arbor, MI
September 2017 - May 2021

Key Skills

- Embedded Software
- Electrical Engineering
- Software Development
- Hardware Design
- Troubleshooting