

Feras Bisharat

Senior Software Engineer

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[GitHub](#) • [LinkedIn](#)

PROFESSIONAL SUMMARY

Systems software engineer with 6+ years in C and C++, currently developing DOCA SDK at NVIDIA: the software framework that offloads and accelerates networking, security, and storage across the AI data centers and cloud infrastructure built on its BlueField DPUs and ConnectX SuperNICs. Strong foundation in embedded programming, Linux build systems, and low-level and user-space networking and protocols, built on a computer science and mathematics background.

An MBA adds a commercial and quantitative perspective to technical work.

CORE EXPERTISE

Programming Languages: C, C++ (highly proficient), Python, Bash

Systems & Embedded: Embedded programming, SDK design and development, low-level systems programming.

Linux: Development environments and build systems.

Foundations: Data structures, algorithms, system design, kernel and user-space networking, strong mathematics.

Languages: Arabic (native), English (fluent), Hebrew (fluent).

PROFESSIONAL EXPERIENCE

NVIDIA Corporation

Senior Software Engineer

Software Engineer

Software Engineering Intern

Yokne'am Illit, Israel

March 2026 – Present

August 2022 – March 2026

August 2021 – August 2022

- Develop core C/C++ components of NVIDIA's DOCA SDK, adding features to DOCA Flow library for user-space accelerated network programming.
- Build user-space applications on top of the SDK that exercise and demonstrate DPU networking and acceleration capabilities for developers and customers.
- Owned packaging and distribution of the SDK across multiple Linux distributions (Debian and RPM based) and x86/ARM targets, using Meson and CMake for reproducible builds.

Cadence Design Systems

Software Engineering Intern

Haifa, Israel

August 2019 – June 2021

- Optimized algorithms and data structures in the formal verification proof engines of Jasper, Cadence's formal verification platform, cutting runtime of one proof engine by 50%.
- Implemented and benchmarked performance improvements in C++.

EDUCATION

Tel Aviv University

Master of Business Administration

Tel Aviv, Israel

2024 – Present

The Technion – Israel Institute of Technology

B.Sc. in Computer Science and Mathematics (89/100 GPA, Dean's list 3 times)

Haifa, Israel

2017 – 2022