

ALON FRIEDLANDER

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I am a highly motivated, creative, detail oriented and committed person with an organizational thinking approach. I have both individual and collaborative teamwork skills, and the ability to comprehend and deliver quickly and thoroughly under pressure.

Education

Software Development Training Program, Infinity Labs | July 2023 – February 2024

- Intensive training covering software development methodologies, including system programming, and multi-tasking environments.
- Developed and debugged complex software systems, honing problem-solving skills and implementing best practices in software design and architecture for scalable, maintainable code.
- Experience in C, Java, JavaScript, Node.js, React, Object-Oriented Programming (OOP), Linux, data structures and algorithms, web architecture concepts, design patterns, and databases (SQL, NoSQL - MongoDB, relational databases).

B.Sc. Civil Engineering, Technion-Israel institute of Technology | 2019 - 2023

- Developed strong analytical and problem-solving skills through rigorous engineering coursework.
- Learned the basics of Python and MATLAB.

Experience

Software Developer, Omnicon Systems | February 2024 – September 2024

- Contributed to cross-platform projects using C++ and Python, focusing on networking protocols, with deployments across Windows and Linux environments.
- Implemented and optimized communication systems using DDS, UDP, and TCP, enhancing data exchange in distributed systems.
- Created a cross-platform demo project involving three entities (Radar, C2, and data-center) that communicated using DDS (over UDP) with C++ and Python applications, managing real-time data distribution and processing across Windows, Linux, and Docker environments.
- Experienced in C++, Python, networking (UDP/TCP), CMake, DDS, Jira, OOP, Git, Windows, Linux, Docker and Kubernetes.

Structural Engineer, Electra | January 2023 – July 2023

- Created and managed construction schedules, coordinated with contractors to optimize timelines, implemented budgetary control measures to monitor expenses.

Construction Department Student Position, Rafael Advanced Defense Systems | 2021 – 2023

- Managed the licensing process with the municipality, collaborated with engineers, architects, and consultants for smooth coordination, and evaluated alternative office properties for future company needs.

IDF Solider | August 2014 – August 2017

- Instructed soldiers in parachute techniques, completed Commanders Course 08, and served as a Platoon Sergeant leading a team of 30 soldiers.