Daniel Korik

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A passionate and adaptable Software Developer with a B.Sc. in Computer Science from Hadassah Academic College, skilled in full-stack development, game development, and system programming. Proficient in multiple programming languages and web technologies, with a strong ability to learn and implement new technologies quickly. Adept at problem-solving, project management, and team collaboration, with a proven track record in both independent and group projects.

TECHNOLOGICAL SKILLS

- **Programming Languages**: C++, Assembly, C, Java, Python , VHDL.
- **Frameworks & Libraries:** SFML**,** React**,** Bootstrap**,** NumPy**,** pandas.
- **Databases:** MySQL, SQL, PostgreSQL, MongoDB.
- **Development Tools & Environments:** GitHub**,** Docker**,** Jenkins**,** Git, Visual Studio, Eclipse**,** Windows, Linux.
- **Web Development:** HTML5**,** CSS3**,**Material-UI JavaScript**,** Thyme leaf, TypeScript**,** Spring (Java)**.**

EDUCATION

B.Sc. | Computer Science | Hadassah Academic College | 2022 - 2024

GPA: 83

Relevant Coursework: Data Structures, Algorithms, Object-Oriented Programming, Software Engineering, Database Systems, Web Development, Computer Graphics, Computer Networks, Computational Geometry, QA, FPGA.

TECHNOLOGICAL PROJECTS

2023 | Blip and Blop Game Remake

- Developed a 2D shooter game, implementing game mechanics, movement, and collision detection.

Top skills: C++, SFML, OOP, Game Design, Graphics Programming, Problem-Solving.

2024 | Google Auto-Complete Project | Python

- Built a Trie-based system for sentence completion, optimizing search efficiency with a scoring algorithm for character replacements and deletions.

Top skills: Python, Data Structures (Trie), Algorithm Optimization.

2024 | Mobileye Traffic Light Detection | Python, OpenCV

- Created a system to detect and crop traffic lights in images using filtering techniques.
- Integrated size, shape, and color-based filtering methods for more accurate detection.

Top skills: Python, OpenCV, Image Processing.

Certifications and Training

Software Development Bootcamp | Summer 2024

- Completed an intensive bootcamp, developing key projects such as the Google Auto-Complete system, CTF challenge, Mobileye Traffic Light Detection, Checkpoint Linux Kernel project, and School Management System.

Arabic – Native | Hebrew - Advanced | English – Advanced