Rachel Braun – Embedded developer

0527174254 | r0527174254@gmail.com

Profile
Talented and creative software developer with Brilliant programming skills and a passion for the field. A Challenge lover, excelling in independent learning, highly motivated, and problem-solving capabilities. Looking for a challenging position in a development team.

Education
2024 | Bootcamp in collaboration with Mobileye
Participants in the bootcamp were selected from 1,600 candidates based on their scores in the Ultra Code program.

Practiced algorithms and data structures in C++, with an emphasis on Code Review.
Studied in-depth courses in verification – Verilog, System Verilog, SVA, UVM.
Project submission: Established a UVM testbench for the Yapp Router component.

2022-2024 | Software Engineering Studies

- Studies for a Software Engineering diploma of MAHAT, by the College of Management in Rishon LeZion.

- Ultra Code courses from Kamatech.

- Assisting fellow students in identifying and fixing bugs in code, providing feedback and sharing improvement techniques.

2022 | Matriculation certificate| Haifa High School

- Completing independently 4 units of study in Mathematics.

- Average grade: 96.

Professional Knowledge
Programming Languages: C, C++, C#, Java, Phtyon
Verification: Verilog, System Verilog, Native System Verilog TB, SVA, UVM, RAL
Additional Courses and Specializations: OOP, Information Systems Analysis, Data Communication, and Information Security
Operating Systems: Windows, Linux
Ultra Code Program: Data Structures, Algorithms, Graph Algorithms, Operating Systems, Digital Systems, Advanced Mathematics.

Projects
C++ Project
Developing the game Katan, integrating complex logic and sophisticated class design. User interface utilizing the OpenCV library.
Utilized Design Patterns, (Singleton, Factory) and OOP principles.

Verification Project
Established a complete verification environment for the Yapp Router component, including creating complex hardware tests.

Languages
Hebrew – Native language | **English** – Good level