Rachel Braun– Embedded Developer

0527174254 | [r0527174254@gmail.com](mailto:r0527174254@gmail.com)

**Profile**  
Talented and creative software developer with strong programming skills and a passion for the field. passionate about tackling challenges, excelling in independent learning, highly motivated, and problem-solving capabilities. Looking for a challenging position in a development team.

**Education**

**2024 | Mobileye Bootcamp**.

Participants in the bootcamp were selected from 1,600 candidates based on their scores in the Ultra Code program.

* Practicing Algorithms and Data Structures in C++, with emphasis on daily code reviews by professional mentors.
* Development of a complex game (Catan): Independent work on the game development, including class design and architecture. Completing daily tasks that led to methodological development.
* Studying in-depth courses in verification – Verilog, System Verilog, SVA, UVM.
* Project: Establishing 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, feedback and sharing improvement techniques.

**2022 | Matriculation certificate| Haifa High School (Average grade: 96)**

* Completing independently 4 units of study in Mathematics.

**Professional Knowledge**  
**Programming Languages:** C, C++, C#, Java, Python  
**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 Catan, 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